

Something simple now
and then, saying just
"good will to men."

The Illuminator

REC'D DEC 4 1956

May the Christmas
Spirit bless your home
in the year ahead.

Vol. VIII, No. 3

KENTUCKY POWER COMPANY

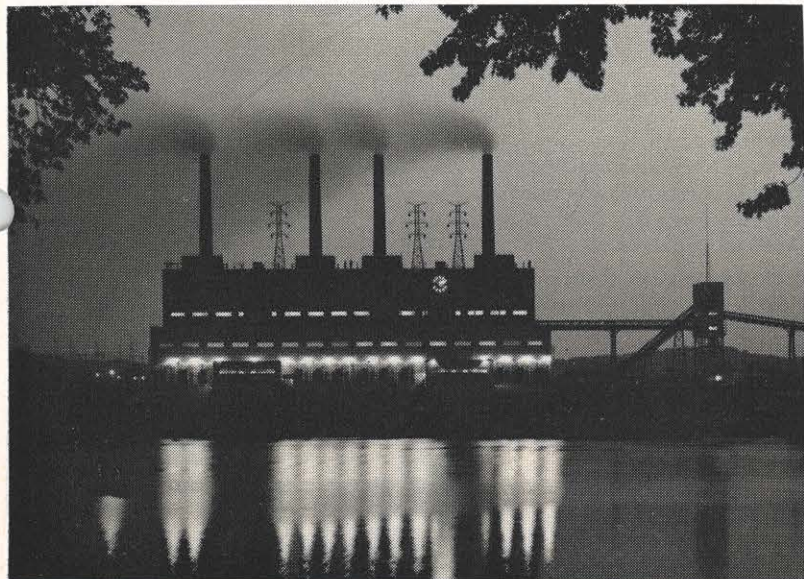
APPALACHIAN ELECTRIC POWER COMPANY

KINGSPORT UTILITIES, INC.

December 1956

Sporn Plant To Get Giant 450,000 Kw Unit

Unit Will Be 73% Larger Than Any In World Today



Philip Sporn plant is the site of the new 450,000 kw unit. The Graham Station plant, largest on the AGE System and largest in West Virginia, will have a capacity of 1,050,000 kw when the new unit is completed in late 1959.

Philip Sporn plant has been selected as the site for the second of two 450,000 kilowatt electric power generating units—largest in the world.

Like its AGE System sister unit being built by Indiana & Michigan Electric Company on the Wabash River in Indiana, the new Sporn unit will be 73% larger than any power-producing unit operating today. Cost of the Sporn plant project in the heart of the rapidly-expanding Ohio River Valley is estimated at \$58-million.

President Philip Sporn's announcement of the new unit on November 20 climaxed an unprecedented expansion program initiated this year during AGE's 50th Anniversary. The new unit represents the final 450,000 kw of new power production facilities in the AGE System's \$700-million expansion program extending through 1960.

Reasons For Site

In commenting on the selection of the Sporn Plant for location of the second 450,000-kw unit, President Sporn said, "Our decision was based on three important factors: the need for still greater generating facilities in the dynamic Ohio Valley, the fact that the plant is situated near the geographical and load centers of the AGE System, and the plant's proximity to abundant low-cost coal reserves."

Mr. Sporn went on to describe the revolutionary new units as "new plateaus in power generation technology." He stated that construction would be undertaken early in 1957 at Sporn plant which is jointly owned and operated by Appalachian and Ohio Power. Completion is scheduled for late 1959.

Annual Coal Use

The new unit will consume 1,300,000 tons of coal yearly.

With a capacity equivalent to over 600,000 horsepower, the unit will be theoretically capable of supplying all the residential electric requirements of a city of 4,000,000. It

will utilize close to 3,000,000 pounds of steam per hour at the above-critical pressure of 3,500 pounds per square inch.

At present Sporn Plant with 600,000 kw capacity is the largest power station on the AGE System and the largest in West Virginia. It has four identical 150,000-kw units, the first of which was placed in operation in January 1950 and the last in February 1952.

Over One Million Kw

Completion of the new unit will raise the plant's capability to 1,050,000 kw. At present, only two privately-owned power plants in the world have capacities in excess of 1,000,000 kw. Like the Sporn Plant, they also are located on the Ohio River: the 1,290,000-kw Clifty Creek Plant at Madison, Indiana, and the 1,075,000-kw Kyger Creek Plant at Cheshire, Ohio, a few miles downstream from the Sporn plant.

The AGE System's \$700-million expansion program, extending from 1956 through 1960, will include

(See Sporn Plant Unit, Page 3)

New Peaks Set

Increased industrial loads and the onset of winter weather were the chief reasons for a new peak November 26 on the Appalachian system.

At 6 p.m. that day more electricity, 1,427,000 kw, was used than at any other time in Appalachian history. In addition, the kilowatt-hours for the 27th was the highest ever, 28,167,000 kwhr. And for the week ending November 21, the production was 177,687,000 kwhr, also a new record.

November 27 was also a day to remember all over the AGE System—a new peak of 3,745,000 kw was set at 6 p. m. Ohio Power also set a new peak of 1,506,000 kw in that company at the same time.

President Sporn Tells Managers That AGE System Destined For Even Faster Expansion Pace

Although our American Gas and Electric System in 1956 started the largest 5-year expansion program in the history of the electric power industry, this pace will be stepped up even more during 1961-75.

Philip Sporn, president of AGE and of our companies, made this forecast in his "State of the Company" address. His talk keyed the Ninth Annual AGE System Managers' Meeting in Canton, Ohio, November 14-16.

Mr. Sporn said that the AGE System is adding 2,820,000 kilowatts of generating capacity during the period 1956-60. However, in the 15 years that will follow—1961-75—the System is expected to add another 10-million kw of capacity. He pointed out, though, that "this is at an average rate of only 3,300,000 kw every five years—a not much greater rate than the 1956-60 rate."

Reasons For Expansion

He attributed such expansion, and the special problems that always accompany it, to "the dynamic nature of the company—in part due to the industry we are part of, some of it due to the territory we are operating in, and part of it due to the company we are in—the company we are."

In way of pointing up the scope of the present and future expansion, the AGE president stated, "Even if the international political situation became much more critical, I doubt whether any major change in our plans could take place. The reason for that is that the service we are furnishing to the public is one whose expanded use we are now developing at a rate almost as great as the resources of the country—technical, productive and material—permit."

Describes Our Job

He likened the job that the AGE System is performing as a special "covenant" made with its 2,300 communities "to provide them with an indispensable commodity to modern living—electric service—to provide it adequately, in high quality, at the lowest possible cost, and to provide it in such a manner as to make it possible for all our communities to reach their maximum potential for growth and development."

To continue to carry out such a covenant and to achieve the AGE System's projected goal of a quadrupling in power demand and facilities by 1975, work must be intensified in a number of problem areas, Mr. Sporn said.

Challenges To Be Met

He singled out some of these challenges as follows:

1. Continuing area and load development.
2. Obtaining sites for generating plants needed to produce the increased power requirements.
3. Obtaining the estimated annual coal requirements, by 1975, of 32½-million tons compared with today's



These men pause between sessions at the recent AGE System Managers' Meeting in Canton, Ohio. From the left: M. C. Funk, Appalachian vice president; F. M. Baker, assistant general manager of Kentucky Power Company; J. P. Gills, Bluefield division manager, and C. J. Bryan, assistant general manager of Kingsport Utilities.

4. Raising the large quantities of capital required, somewhere between \$3-billion and \$4-billion.
5. Finding, hiring, educating and developing skilled personnel to plan, engineer, design, build and operate a system four times as large as today's that will give service to twice as many customers using four times as much energy as today.

An Anniversary Thought

In his closing and apropos of the AGE System's current observance of

its 50th Anniversary, Mr. Sporn said:

"Fifty years ago, a group of businessmen dreamed a dream, a dream of electric service to small communities and doing it profitably. I don't think they visualized the AGE System of today. Could they have done so, I think it might have proved disastrous to the founding of the AGE System. I think they would have been scared—scared of the magnitude, of the vision, and of the responsibility they were assuming, scared of their rashness in getting

(See Managers' Meeting, Page 3)

Three More Scholarships

Eight \$500 Educational Awards Slated For AGE System Employees' Children

With \$500 college educational awards going to two top-ranking sons and daughters of Appalachian employees, registration opens January 1 for the third annual American Gas and Electric Educational Awards competition.

A total of eight \$500 awards will be presented in next year's AGE System competition. This compares to five awards given this year, one of them to an Appalachian employee's son, and to one award in 1955, the first year of competition.

Deadline for entering the 1957 competition has been set for January 25. Competitors for next year's awards will be divided into five AGE System groups, based, as equally as possible, on the total number of employees in each group. In addition to the two awards going to winners of Appalachian competition, two awards will be given both Ohio Power and Indiana & Michigan; another will go to the top competitor among entrants from Wheeling Electric, Central Operating (Philip Sporn plant), Kentucky, Kingsport and Beech Bottom Power. The eighth \$500 award will go to the top entrant from the AGE Service Corporation.

Who Is Eligible?

Any son or daughter of an employee of any company on the AGE System who plans to enter freshman year in a degree-granting institution to pursue a course leading to a bac-



Luther F. McPherson III of Bluefield studies in the Great Court of the Massachusetts Institute of Technology. The son of the Bluefield assistant district manager, Luther is a freshman at the school this year. He won one of five AGE educational awards early this year.

calareate degree may compete by taking a competitive examination (the standard College Entrance Board Scholastic Aptitude Test).

Future issues of THE ILLUMINATOR will carry more complete details on the awards and dates, times and places for the competitive tests.

The Illuminator

Published monthly for employees of Appalachian Electric Power Company, Kentucky Power Company and Kingsport Utilities, Inc., and their families. Articles herein may be reproduced provided credit is given.

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1956 — Quite A Year

This has been a year to remember for our companies. Many accomplishments during 1956 were pointed out by President Philip Sporn at the annual Managers' Meeting in Canton, Ohio, and listed elsewhere in THE ILLUMINATOR.

There were also high spots in the lives of the employees of our three companies. Many things happened that employees will remember as long as they live.

For instance, among employees and their families there were 126 weddings, as reported in THE ILLUMINATOR during the first 11 months of the year. There were also 49 engagements, and there were 230 births to employees from January through November.

Nine employees were credited with lifesaving acts or acts of mercy. Elsewhere, 66 employees contributed articles to AGE's *Monthly Operating Notes*. A total of 855 employees received service pins during the first 11 months, and 24 company veterans retired.

And these activities continue. Although these events did not always make the headlines, each was very important to the employee concerned. So from both a personal and a company standpoint, 1956 has been quite a year.

A Christmas Reminder

Another year is almost gone and we are again caught in the rush of preparations for the Christmas season. We are also caught up in a growing emphasis on "Christmas accounting."

Shopping for gifts, a simple pleasure in the past, is fast becoming too burdensome for many pocketbooks and family budgets. This distressing fact has lessened the pleasures of giving.

What used to be a truly joyous feeling is too often subjected to self-doubt and fear of not doing enough. That consequently has meant a corresponding increase in the feeling that Christmases past were so much more in keeping with the real meaning of the season.

Whatever things may be true of this wonderful season, it's always true that Christmas spirit comes from the heart—not the pocketbook. Let's keep that in mind during the season ahead. Then we can add more to the joy that reflects the season's greetings in so many ways.

Answers on this page to our question emphasize the many things that bring the Spirit of Christmas to each of us. This feeling of good will becomes so strong that it is almost a tangible thing—something actually felt. This Spirit is like a bond that draws us closer together in a common goal of "Peace on earth, good will toward men."

Your Opinion

What do people mean when they talk about "the Spirit of Christmas"?

IN THE SPOTLIGHT

BALLARD J. INGRAM, Meterman, Kingsport



Some people think of the Spirit of Christmas in terms of exchanging gifts, decorating and entertainment.

The real Spirit of Christmas is inward. Giving aid to those who are less fortunate is an appropriate way to make known that Spirit.

One of the experiences we enjoy most is that of making someone happy whether it be in presenting gifts or a kind word or deed. This expression of happiness is best demonstrated when we see our children overjoyed by our efforts to please them.

I enjoy going to church with my family to hear the Christmas programs and the singing of carols.

EUNICE D. FITZGIBBON, Bookkeeper, Logan



The Spirit of Christmas has a number of meanings, and to me, it means sharing and making others happy.

It gives us an inner light that warms us on the inside and makes us glow on the outside and opens up a whole new world that makes life an exciting adventure.

But the most important of all is that the Christmas Spirit comes from the celebration of a beginning, a great birthday, not an end. We shouldn't merely limit the Christmas Spirit to the holiday season, but it should last the whole year round.

CHARLOTTE M. RINGLER, Engineering Clerk-Typist, Roanoke



After Thanksgiving is over and the last morsel of turkey has disappeared, you will be sure to hear someone mention the Christmas Spirit.

To me Christmas means first of all that it is the Birthday of Christ. We read and hear of it in the beautiful poems and carols which come over the air via radio and in our churches telling us of his glorious birth and the wonder of it never ceases to make us marvel. We love to hear of the Shepherds who were told by the angels where they might find Him and we never tire of the mystery of this Little Babe of Bethlehem. Perhaps He sends us the so-called "Spirit" at this time, as so many of us forget to retain that wonderful feeling the remainder of the year.

At Christmas time, I like the happy fellowship of people; the niceness of them at that time and a realization that the world is really a wonderful place after all. I like the happy feeling of walking around after the day's work, hearing the bells ringing and seeing the glitter and glamour of the many multi-colored lights around our busy town.

Christmas is such a lovely time—wish it could last all year round. Happy Christmas.

ANN BARTLETT, Home Economist, Point Pleasant



The Spirit of Christmas is shown every year in a traditional manner; that is by decorating our homes, sending Christmas cards, singing our favorite carols, giving presents to our families and friends, watching Santa talk to the children seated upon his knee and helping others. These, however, are the visible aspects influencing the joyous season.

There is another phase of this Spirit of Christmas which is realized by many. During the Christmas season and on Christmas Eve, families and friends unite to attend church. After hearing the familiar story of the birth of Christ, once more the meaning of Christmas is remembered. The spirit of peace and good will is renewed and lasts throughout the year.

JESSE COLLIER, Lineman, Pikeville



His three sons help express the Christmas Spirit to Jesse Collier. His sons from left: Jesse, Jr., William and David.

The Spirit of Christmas is expressed in many ways in our free land. First, to me, we must not forget the reason for this wonderful time of the year—the birth of our Savior, Jesus Christ.

Second, to me, it is a day of family celebration and a special day for the children. We have three sons in our family, and I get

much enjoyment in seeing them expressing their Spirit of Christmas by their sharing of gifts, hanging up their stockings on Christmas Eve and the decorations of the Christmas tree.

Also, the Spirit of Christmas is expressed to me through the beautiful Christmas music and the participation of our children in their church pageant.

WAYNE RUBLE, Christiansburg Area Serviceman, Pulaski



Wayne Ruble, his son Richard and his daughter Anne, check their Christmas decorations in preparation for the coming season.

To me the Spirit of Christmas is the happiness the day gives to little children. The planning of the gifts that will bring the most happiness, the mysterious doings around our house, the sparkle in my children's eyes when they talk of Santa and make their plans, the smell of good foods as they cook, and the opportunity to give and share with others less fortunate—this is the Spirit of Christmas.

All of these, together with the wonderful knowledge that the birth of the Christ Child makes all of this possible, means Christmas at our house.

R. H. WALTON, JR., Results Engineer, Glen Lyn Plant



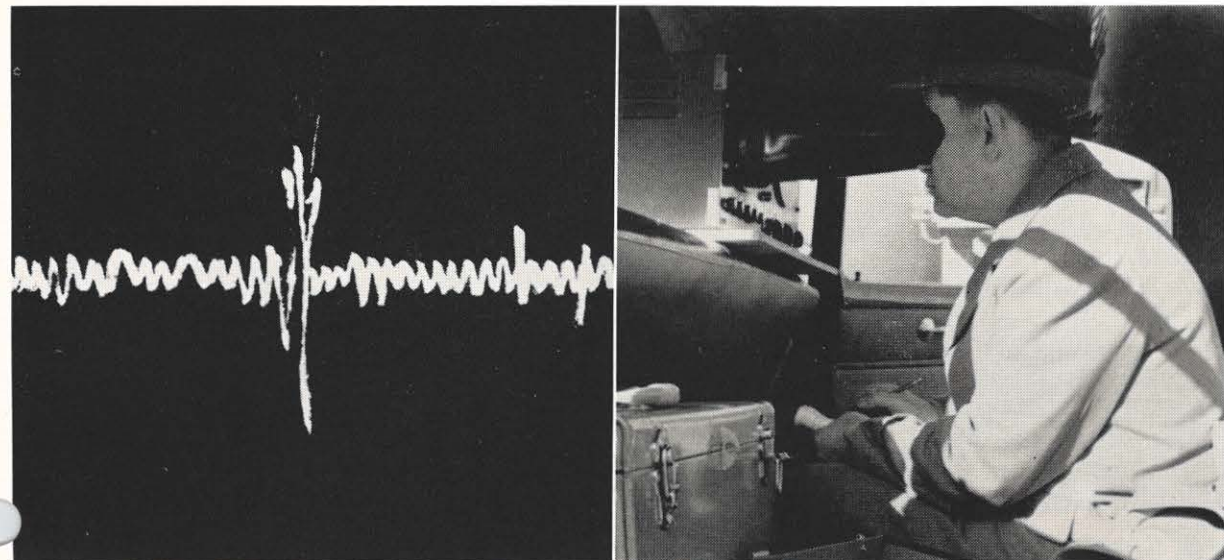
Have you ever delivered a box of groceries to a needy family at Christmas time and experienced the blessings you received?

The true Spirit of Christmas is the spirit of giving. However, this spirit is not symbolized by the type of giving to which most of us have become accustomed. The type of giving which portrays the true Spirit of the Christmas season was the giving of God's Own Son Jesus Christ, Whom He sent into the world on Christmas Day. It is this spirit, the giving of God's all, the giving of His best, which each of us should attempt to imitate, not only as we approach this Christmas season, but every day of the year.

This we can do by sharing not only our material blessings with those less fortunate than we are, but also by sharing the wealth of our spiritual blessings with those who are "Poor in Spirit."

It's A 'Pip'

'Detective,' Resembling TV Set, At Work Finding Faults On Transmission Lines



The "pip" on the left is being observed on the pulse-type fault finder and analyzer used by A. B. Sneed on right. Mr. Sneed, system operating engineer, has set the portable fault finder up in an automobile by means of a removable platform. The irregular marking in the otherwise normal pattern of a line denotes a fault.

Locating trouble on our transmission lines quickly and accurately has always been a real challenge. But system operating personnel are now running tests on what may be the answer to the problem.

These tests are being made with an electronic pulse-type fault finder and analyzer. This instrument, about the size of a portable television set, is used to determine what section of line the fault is on or where sleet formations may be giving trouble.

Sleet is especially menacing, because so many of our transmission lines are located in mountainous regions. This makes foot patrolling slow and entails a great amount of manpower. The total circuit mileage of the 330/132/88 kv transmission system in our three companies is approximately 2,800 miles, varying in elevation from 600 to 4,000 feet above sea level. Keeping these lines in service is vital in providing dependable service to our customers.

Pip Tells The Story

The analyzer resembles a small TV screen, and is surrounded by knobs. It transmits a signal similar to radar which is received on the screen as a line pattern. If a break or short circuit exists on the line under examination, a "pip" will show up on the screen. This definite variation from the regular pattern on the screen can also tell the operator what kind of trouble there is. He can tell if there is a grounded conductor or an open circuit by the downward or upward direction the pip takes. The



operator must know, of course, what the line's normal pattern is.

Also on the front of the analyzer is a selector dial, which is calibrated in miles. The operator can "look" at the entire section of line or can select any five-mile segment.

Results Are Explained

Results of tests that have been made with this analyzer were pointed out by H. E. McCormack, superintendent of system operation, in an article in the July 1956 issue of *Monthly Operating Notes*.

The value of the fault finder is the time saved in locating a sustained fault, avoiding the opening of loops to test the line and the accurate location of faults so loops can be opened on the correct side of tap stations to restore service. Mr. McCormack points out that before the analyzer was used it took almost 16 hours to locate a fault on the Claytor-Fieldale 132 kv circuit in July last year, because the line had to be sectionalized and patrolled. It is believed this fault would have been found in 2½ hours by the analyzer.

A Look At Ice

Ice got the analyzer's attention in January this year. Equipment used now to detect ice does not tell whether the formation of ice is light

over the entire line or heavy in a short section. The analyzer pattern will indicate the area of heavy deposits. More work is being done on this phase of the analyzer's usefulness. Once it has been adapted to ice detection, the noose will be drawn tighter on this menace.

The pulse-type fault finder is just another of the many ways our three companies strive to maintain the best possible service to our customers. In this, AGE's 50th Anniversary Year, it is another sign of "Progress In Electric Power".

Sporn Plant Unit . . .

(Continued from Page 1)

the addition of 2,885,000 kw of new capacity. This will raise the AGE System's total capacity to almost 7,000,000 kw by the end of 1960.

Expect New Efficiency

In discussing the efficiency of the two new units, Mr. Sporn said, "Upon their completion, we expect both units to show an improvement of 5% in thermal efficiency over the world's best unit to date, as well as a 7½% improvement in capital cost per kilowatt of generating capacity. The latter will be brought about by economies due to larger size of unit, higher turbine speed, space reduction, elimination of boiler house and many other factors. While these units will be capable of producing twice as much electric power as the largest-sized unit now under construction on the AGE System—225,000 kw—the space they require is only approximately one-third larger."

According to Mr. Sporn, these new and much larger units evolved as a result of AGE's design and construction experience with the world's first super-critical pressure unit, now nearing completion at Ohio Power's Philo (Ohio) Plant. The developmental Philo 6 unit will operate at 4,500 p. s. i. and 1,150 degrees F. temperature. These have been reduced to a more commercially acceptable basis, however, on the Sporn unit, which will have a steam pressure of 3,500 p. s. i., well above the critical level of 3,206 p. s. i., and a steam temperature of 1,050 degrees F.

General Electric Company will build the turbine-generator for both 450,000-kw units, which will be cross compound in design. Babcock & Wilcox Company will build each unit's 23-story boiler, which will be of outdoor design and will exhaust to a stack with a height of more than 500 feet.

Year's Highlights Cited

In his "State of the Company" address which highlighted the AGE System Managers' Meeting, President Philip Sporn described 1956 as having been "a year of great accomplishment" for the company.

He then cited the following highlights of the year:

- Completion of the Ohio Valley Electric Corporation project.
- Conclusion of many years' work to bring the aluminum industry into the Ohio Valley.
- Completion of the "breaking-in" period of the AGE System's 345,000-volt transmission network.
- Breaking ground for three new power plants—Appalachian's Clinch River plant, Ohio Power's Kammer plant and I&M's Breed plant.
- Decision to undertake construction of the Smith Mountain hydroelectric plant by Appalachian.
- Making "real headway" in developing the residential electric heating load.
- Decision to proceed with construction of two 450,000 kw generating units—the largest and most efficient in the world.
- Undertaking a 345,000-volt transmission tie with a major neighbor utility, Commonwealth Edison Company of Chicago.
- Reaching a system input of close to 480-billion kw/hr per week.
- Seeing material gains in residential, commercial and industrial sales.

Managers' Meeting . . .

(Continued from Page 1)

a thing like that started.

"Now, today, we have taken that dream and we've made it good. We have enlarged its scope. We have broadened its social philosophy. We have deepened the place of that dream in the economic life and welfare of the entire area we serve. In doing that, we have provided an opportunity for work and service, for accomplishment and achievement, for absorbment and satisfaction in performing well in a field that is inseparable from modern living, modern production, from a healthy and happy modern society.

"And then we've done another thing. We've taken the dream of 50 years ago, and we have re-dreamed it. We have re-dreamed it to heights and proportions qualified to fulfill great standards of performance, unapproached and even unthinkable only a few years ago. And, in dreaming this, we have opened opportunities for work and for service, for growth and development, for achievement and reward for thousands of more people, opportunities simply impossible to visualize today.

"I have confidence, and I hope you share that, that this new dream can be made good by us and by those who follow us. But to do that we must be true to our special character. We need to be enterprising, we need to be responsible, we need to be efficient, and we've got to be sound and solid financially.

"I think if we resolve now, we will each exert ourselves to make a substantial and a continual contribution to improvement in all of these necessary characteristics. I think we'll not only make sure that dream is brought into reality, but in that process make a great contribution to the enhancement of our own welfare, to the welfare of our communities, the area we serve, and I believe, as earnestly as I believe in my own existence at this moment, a great contribution to the safety and welfare of this great country of ours.

"All of this needs to be done. I don't believe we can be true to our trust unless we do. Let us do it."

Lynchburg Foreman Has Article In Publication

John P. McDermott of Lynchburg was the author of an article appearing in the November 12 issue of *Electrical World*.

The working foreman of the garage wrote "Dual-Duty Suburbans Save", which previously appeared in *Monthly Operating Notes* and *THE ILLUMINATOR*.

Basic Problems Discussed By AGE Managers

Three basic problems which will confront our three companies and the AGE System during the years ahead took up the lion's share of the time at last month's AGE System Managers' Meeting. These were studied and discussed at length during special "workshop sessions."

About 285 members of management, divided into eight-man discussion groups, pondered three questions:

1. How can improvement be made in the relationships between the various company organization components — the system departments, division, district and the AGE Service Corporation?
2. What is needed to create an informed and productive state of "dollar awareness" on the part of every member of the company?
3. How can our methods of selection, promotion and development of supervisory personnel be improved?

J. L. Gilbert Made Commission Leader

J. L. Gilbert, Williamson local office manager, has been elected chairman of the Civil Service Commission of the Williamson Fire Department.



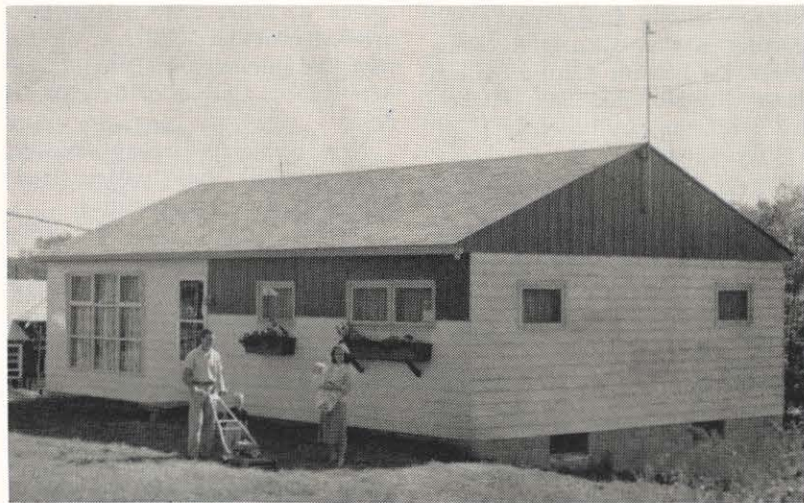
Mr. Gilbert

The commission makes all appointments to and promotions in the fire department, establishes rules and procedures and governs the rights and limitations of department employees. Mr. Gilbert was a commissioner last year.

He is also treasurer of the Williamson Kiwanis Club, a post he was recently re-elected to, secretary and treasurer of the Mingo County Country Club and a member of the entertainment committee for the Elks Club. He is a member of the Moose and a Mason and Shriner.

Mr. Gilbert joined the company in 1930 and was promoted to his present position in 1947. He is married and has one daughter.

Gerald Kelly Builds Electric House



It's ALL-Electric living for Gerald Kelly and his family, shown here in front of their new home which Gerald just finished building himself. His wife, Bonnie, holds their daughter, Darla, and their son, Dennis, is helping his father cut the grass. The Philip Sporn plant maintenance man started his home last August in Pomeroy, Ohio. He secured material for the ready-cut house and by April this year had it ready except for walks and a carport. The house with six rooms and a bath is heated with convection type electric heat. The only part of the house Gerald didn't have a hand in was the laying up of the basement. All work was done in the evenings and on the week ends.



Around the Circuit

... Among Employees and Their Families



Pulaski District

Mrs. Bruce B. McCall, patient at Pulaski Hospital for two weeks due to a major operation, is recuperating at home.

Sympathy is extended Guy C. Beasley, Byllesby hydro operator, on the death of his wife, and James N. Shepherd, co-op student engineer, on the death of his grandmother.

Bluefield District

A group of Appalachian girls recently toured the Bluefield plant of the General Telephone Company.

Paul Parks presented the flannel board talk "The Right of a Free Vote" over WHIS-TV as well as to several civic clubs and organizations in the Bluefield area.

Sympathy is extended Delorise Walls, Princeton office, on the death of her husband, and Mary Alice Nunn on the death of her brother-in-law.

Abingdon District

Employees and their guests from Dickenson County recently enjoyed a spaghetti supper in the Clintwood office.

C. M. Wagner, Jr., heating and builder sales representative, and R. M. Bondurant, district superintendent, were elected treasurer and secretary, respectively, of the Civitan Club.

The Abingdon district float won first prize in the commercial division of the Scott County Tobacco Festival parade.

Paul S. Dunn, administrative assistant, was elected vice president of the Abingdon Kiwanis Club.

Abingdon and Clinch River plant employees living in Abingdon attended the district's annual Halloween party.

Welch District

Mrs. Ruth Caton, who recently resigned, was honored with a stork shower given by Frances Hulme, Grace Fizer, Helen Vermillion and Nell Nunnery.

Sank Smith, personnel supervisor, attended the National Safety Council meeting in Chicago.

Walter J. Thomas, meter serviceman, recently joined the Gallon Club when he gave his eighth pint of blood.

Employees who participated in the Veterans Day Celebration in Welch were Jerry Clements, meter reader; O. J. Bragg, commercial sales representative; J. D. Dalton, line supervisor; and W. C. Groseclose, administrative assistant.

George A. Smith, area serviceman, served as a Grand Guard at the Starlight Session of the Eastern Star in Clarksburg. Dorothy M. Lawless, cashier clerk, also attended.

W. T. Collins, Jr., Grundy local office supervisor, was re-elected treasurer of the Kiwanis Club.

Jimmy and Frances, children of B. M. Nuckolls, Grundy area super-

visor, participated in the annual band festival held in Bristol, Va.

Marlene Keene, clerk and Grundy beauty queen in 1955, crowned this year's queen at the annual beauty pageant.

William B. Belchee, power sales engineer and regional PTA director for McDowell and Wyoming counties, attended the board of managers meeting of the state PTA at Huntington.

Mrs. Earl E. Belcher, wife of the Grundy area serviceman, is improving after being dangerously ill with some blood clots on her lungs.

C. E. Dangerfield, Pocahontas meter serviceman, and B. C. Wallace, Pocahontas lineman, are recuperating from dislocated discs in their backs.

Sympathy is extended Ruth V. Belcher, Grundy cash poster, on the death of her grandmother, and Mrs. W. L. Mitchell, wife of the Grundy lineman, on the death of her mother.

Sympathy is also extended F. L. Lineberry, Switchback station foreman, and G. T. Lineberry, Keystone serviceman, on the death of their father and grandfather, respectively.

Sympathy is also extended Reba Banner, contract clerk, and John De-Busk, serviceman, on the death of their brother-in-law.



Pikeville District

Bill Barnett, district personnel supervisor, was the guest speaker at a recent meeting of the Big Sandy Electrical and Mechanical Institute.

The K. P. O. Girls Club had their annual Thanksgiving banquet at a recent meeting.

Cecil DeBoard, groundman, who has been ill for several months, is much improved.

Sympathy is extended H. H. Kincaid, district manager, on the death of his father, and Jesse Collier and Freddie Collier on the death of their mother and grandmother, respectively.

Sympathy is also extended Jerry Bartley, appliance serviceman, on the death of his grandfather.

Hazard District

A. R. Barber, district manager, attended the annual meeting of the Kentucky River Mining Institute in Lexington.

J. W. Scholtens, assistant district manager, attended a Chamber of Commerce meeting in Louisville.

Sympathy is extended N. W. Collier of Whitesburg in the death of his mother.

Ashland District

New employees include Jo Phillips, personnel clerk; June Hackworth, local accounting clerk, and Carland R. Thompson, lineman.

D. P. Wade, rural and residential sales supervisor, has been elected vice chairman of the Boyd County Chapter of the American Red Cross. He has been board member for the past four years.

Ralph Evick, power sales engineer, has been elected to the board of directors of the Ashland Kiwanis Club.

R. A. Macomb, commercial manager, was appointed temporary chairman of the Rural Development Committee for 12 northeastern Kentucky counties comprising the Ashland trade area.



Huntington District

Kenneth Adkins, husband of Betty Adkins, PBX operator, has been appointed National Aide-de-Camp to the Commander-in-Chief of the Veterans of Foreign Wars.

New employees include Patsy R. Roberts and Sue Ward, billing, and Glen C. Hicks, T&D meter section.

A. J. Darrah, retired division manager, wrote a recent guest editorial for *The Advertiser*. He is chairman of the Huntington Charter Board.

Shirley Dudley, Connie Nida and Anna Dale Bennett, system billing, have resigned.

Sympathy is extended J. B. Kline on the death of his mother and Maurice H. Cottle on the death of his mother.

Sympathy is also extended Richard Baumgardner on the death of his wife.

Logan Plant

R. L. Boyd, retired employee, recently spent the day visiting at Logan plant.

Sympathy is extended Charles T. Addair, plant janitor, on the death of his grandmother and grandfather, who died within 24 hours of each other.

Sympathy is also extended Dallas Hayner, mechanical maintenance mechanic, on the death of his mother.

Logan District

Oretha Lambert, T&D clerk-stenographer, was chosen the ideal sorority sister of Tau Phi Lambda Sorority. She also served as president the past year.

B. J. Brumfield, T&D line section, returned to work after a month's illness.

New employees are Frank Spears, accounting, and Frank Queen, T&D engineering.

The Wesleyaires choral group of the Peach Creek Methodist Church, directed by Mary Elizabeth Davis, commercial department, presented the program at the Chapmanville Kiwanis Club recently.

W. M. Walls, Jr., commercial sales representative, was elected vice president of the Chapmanville Kiwanis Club and O. L. Bennett, area sales representative was elected to the Board of Directors.

P. M. Vannoy, commercial department, directed the music, and G. F. Schwartz, engineering, and H. J. Collins, personnel, appeared in the recent Lions Club Minstrel.

(See Williamson, Page 5)



System

A. C. Rogers, assistant system substation superintendent, gave an illustrated lecture before the Salem Camera Club.

Resignations include John H. Rodrian, system operations coordinator, and Edward W. Irving, Jr., regional dispatcher.

Sympathy is extended Oral Lamastus, Baileysville system station operator, on the death of his mother.

Lynchburg District

New employees are Otha D. Hawkins, auto repairman helper; Charles B. Higgins, Jr., rodman; and Sarah H. Fauber, cash poster.

Harry L. Candler, agricultural sales engineer, and Nicholas K. Langhorne, material clerk, have returned to work following extended illnesses and hospitalization. Both employees were off nearly two months.

Roanoke District

Norma Kemp, home economist, has been elected president of the Roanoke Alumni Chapter of the Delta Zeta Sorority.

The Blair Trophy has been awarded the Roanoke Rabbitt Breeders Association for its activities scrapbook. The national award was accepted by John T. McClain, air conditioning engineer and president of the club, at the ARBA Convention at St. Paul, Minn. The scrapbook was compiled by Katherine Matthews of system accounting.

Sympathy is extended to Mrs. Ruth Lucas, Roanoke division commercial department, and F. E. Bowman, Roanoke district commercial department, on the death of their mother and to Marlene Lucas, Roanoke district commercial department, on the death of her grandmother.

D. C. Duncan, system safety director, presented W. P. Booker, Roanoke district manager, and D. C. Kennedy, Lynchburg district manager, with safety awards from the Aetna Casualty and Surety Company at the Roanoke Division Managers' meeting. The awards were presented each district for having worked in excess of one million manhours without a disabling injury.



Philip Sporn Plant

New employees are Myrtle M. Fife, accounting junior clerk; and Quentin Kaylor, Charles R. King, James R. Proffitt, Carl J. Gibbs, James R. Hoffman and Herbert L. Clark, temporary laborers.

Tom Hoffman, control operator, killed an albino squirrel on a recent hunting trip.

Paul Huber and Kenneth Carter, who were injured in the plant explosion, are recovering from their injuries at home. Kenneth expects to return to work soon.

Sympathy is extended Samuel E. Holliday, maintenance man, and his wife on the recent death of her mother, and William F. Fry, maintenance man, on the death of his mother.

Gilbert C. Hart, tripper operator, and his wife were injured when their car struck a buck deer near their home at Racine, O. Mrs. Hart was scratched when the deer came through the windshield and landed in her lap.

Gilbert's head struck the side glass and he was unable to return to work for two weeks.

Charleston District

Charleston district celebrated Halloween with a masquerade party held in the Virginia Street Garage.

Dick Speas, Kanawha Valley Power Company hydro plant supervisor, received a prize for the funniest costume at a Halloween party at Eleanor.

New employees include Shirley Mae Humphries, miscellaneous; Kenneth D. Hamrick, T&D line; Evelyn Garnett and Charles Johnson, accounting; Eldridge C. Blake, janitor, Montgomery office; Robert H. Wells, coal procurement; Ellen McClung, record section; and Hazel Sampson, commercial.

Guilford Smith is the new chairman of the 21st annual W. Va. Farm Electrification Conference to be held at Jacksons Mill in April.

Resignations include Juanita Johnson, record section; Pat Toman and Eddie Lovejoy, accounting; Sandra Waggy, personnel; Dorothy Hall, Montgomery commercial; and John Dolan and Bernard W. Whittington, commercial.

Sympathy is extended Herman Summers, Kanawha Valley Power Company, on the death of his mother, and Roy Young, meter section, on the death of his brother.

Kanawha River Plant

Messrs. Tourey-Pilliat, Benet and Weber, visitors from the Electricite de France Company in France, toured and observed plant operations recently.

G. S. Farthing entertained several employees at a housewarming party at his home recently. Dinner and games were enjoyed by R. A. Fields, W. B. Moore, C. E. Farley, G. B. Kratz, F. McDaniel, C. E. Richards, Amos Workman, W. L. Wilshire, W. W. McColgan, W. F. Sampson, W. B. Abele, J. W. Fore, T. H. Whited, C. E. Allinder, C. O. Weise and Bob Vaught.

Sympathy is extended J. L. Oliver and family on the death of his brother.

Beckley District

Barbara Vines, daughter of J. E. Vines, line foreman in the Rainelle area, has been chosen to play one of the leads in the Rupert High School junior class play.

J. E. Hammer, district personnel supervisor, has been selected to judge a "Voice of Democracy" contest to be held by the Junior Chamber of Commerce in East Rainelle.

E. F. Eager, district commercial manager, has been appointed chairman of the Agriculture and Conservation Committee of the Kiwanis Club.

Ann R. Lilly, T&D engineering, has been named co-chairman of the ways and means committee of the Beta Lambda Chapter of Beta Sigma Phi.

New employees include Wesley Walker, T&D line section, and Robert Burnam, transportation.

Donald Yarber, Oak Hill employee, has resigned.

John A. Thompson, T&D meter section, has been made a commanding officer of the Civil Air Patrol.



Herbert H. Benton, line section, has returned home following a major operation at the Holston Valley Community Hospital.

Forrest W. Isley is a new employee in the engineering section.

World's First Step-Voltage Regulator Is Still In Service On Roanoke District Line

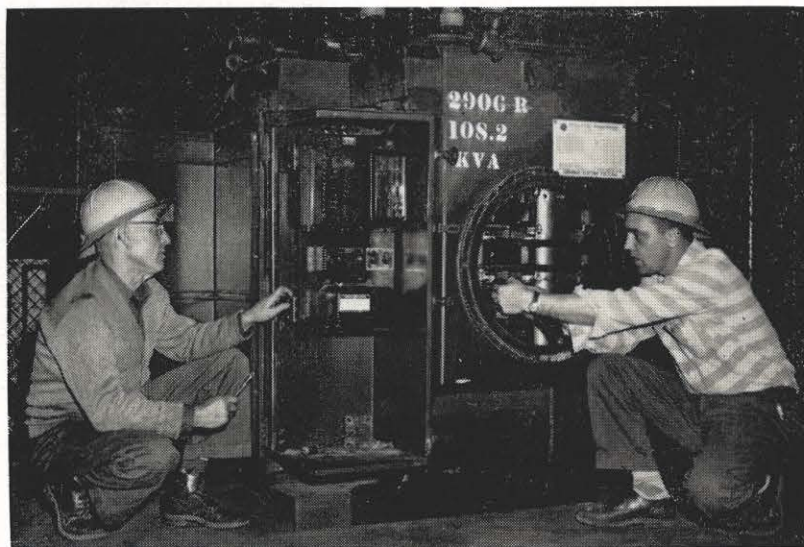
The problem was on a Roanoke district line. An idea for the answer came to AGE engineers and the first step-voltage regulator was built by General Electric in 1932.

This regulator, which has been located on the 20-mile Roanoke-Fincastle rural distribution line, was recently removed to the shop for repairs. This was the first time since its installation that other than routine work has been performed on it. And when the regulator goes back into service it will probably be useful another five to ten years.

It is the forerunner to today's step-voltage regulator, which has been slightly refined. GE officials say that 80 to 85 percent of the regulators produced by industry are of this type.

What was the problem that led to the development? The Roanoke-Fincastle line needed a simple and low-cost regulator. (The regulator's function is to raise or lower voltage required on a station or a line.) The only ones available before 1932 were induction regulators, which had complicated mechanism, were heavy and expensive to install.

AGE engineers, including President Philip Sporn who was then chief electrical engineer, had an idea for adding a motor to the tap changing device and having this motor controlled by a regulating volt meter. They used the outgrowth of the development of tap changing under load on transformers as background.



The first step-voltage regulator ever built was recently taken down in Roanoke for minor repairs. Here two employees work on the 24-year-old regulator. At left is W. P. Saul, station man, and at right, J. R. Tuck, station man.

The idea was turned over to GE and the result was the first step-voltage regulator. GE advertised it in *Electrical World* that year and the next year T. F. Hildebrand, now AGE Service Corporation agricultural development engineer, wrote a 3½-page article for *World* on the regulator. In 1937 GE again advertised the regulator, quoting in part Mr. Hildebrand's article.

In this printed material the advantages of the step-voltage regulator

were listed. It was lighter in weight than other types, it could be mounted on an overhead platform, the control equipment was less complicated and the installed cost was about half that of other types.

The step-voltage regulator is another example of how AGE and its operating companies have striven throughout their 50-year history to bring economical and dependable electric power to customers with the continual search for new and better ways to do things. It has helped make the AGE Anniversary slogan of "Fifty Years of Progress in Electric Power" a reality.

Williamson . . .

(Continued from Page 4)

Williamson District

The Williamson District's Employee Chest Fund has contributed \$420 this year to civic and charitable organizations.

H. W. "Ace" Cerrato, head T&D clerk, presented the flannel board talk "The Right of a Free Vote" to service clubs, PTA's and other organizations throughout the Williamson district.

Barbara Nell Varney, daughter of F. E. Varney, line foreman, and a sister to Patsy R. Varney, commercial department clerk, has been elected one of the cheerleaders for Marshall College.

The commercial department honored W. R. "Bill" Peyton, who was transferred to the Logan district, with a farewell dinner and gift recently.

W. F. Giles, district commercial manager, is confined to his home because of an extended illness.

Mrs. C. C. Darrah, wife of the district manager, is confined to the hospital because of illness and Mrs. Gladys Williams, wife of the stationman, is recuperating at home after hospitalization from virus pneumonia.

E. E. King, district superintendent, headed the Boy Scouts' yearly drive for funds as Mingo County Chairman.

C. R. "Dick" Wilson, Jr., district engineering supervisor and president of the Mingo County Chapter of the West Virginia Society of Professional Engineers, attended the annual meeting of the state organization at White Sulphur Springs.

George Hairston, janitor, has returned to work after an extended illness.

Mrs. E. J. Clouser, wife of the district personnel supervisor, served as chairman of the annual Charity Ball of the Tug Valley Junior Woman's Club and Margaret Carrico, daughter of Everette Carrico, served as chairman of publicity.

Sympathy is extended Harold Akers, meter serviceman, and Jack Akers, station foreman, on the death of their mother.

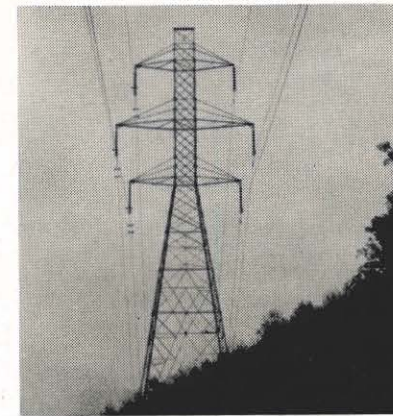
Employees See Film On AGE Anniversary

A color film is being shown employee groups as part of the observance of the 50th anniversary of the American Gas and Electric Company System.

The film entitled "Our Fiftieth Anniversary" traces the origin and development of the AGE System through the years, placing special emphasis on our integration as a consolidated electric utility system. A camera tour of the AGE properties shows many of the plants, offices and other facilities as well as activities of employees.

The film concludes with an interview with AGE President Philip Sporn and the operating companies' vice presidents and general managers. They give an indication of the future that lies ahead for our business before President Sporn pays tribute to employees for their contribution to "50 Years of Progress in Electric Power."

Sporn-Kanawha Second Circuit Is Energized



A silent sentinel on a West Virginia hillside is this steel tower, carrying both circuits of the Philip Sporn-Kanawha River plant 345,000-kw line. The new circuit was just energized, paralleling the old.

The second circuit of part of the nation's highest voltage network has been energized between Philip Sporn and Kanawha River plants.

The 345,000-volt circuit between the two plants was strung on existing towers and parallels the first circuit, which went into operation in 1952. The line is 62 miles long and runs between substations at Sporn plant at Graham Station and Kanawha at Glasgow.

The second circuit was built to meet the increasing demand for electric service in the area. It was begun December 15, 1955, and Hoosier Engineering Company of Columbus, O., was contractor for stringing the line.

Inspectors for the line were Appalachian employees of the system transmission line department. They included W. A. Jefcoat, C. E. Ruble and Wade F. Sage.

The circuit becomes part of the grid of the nation's highest voltage transmission network located in AGE territory. Today there are 1,317 circuit miles of these super high voltage lines in operation or under construction on the AGE System.

Cabin Creek Man Gets Promotion

Eugene F. Hannigan has been promoted to Cabin Creek plant maintenance foreman. He rises to the position from mechanical maintenance mechanic.

He was employed at the plant October 9, 1938 and has previously worked for the Kanawha Valley Power Company. He became a mechanical maintenance mechanic in 1944.



Mr. Hannigan

Born in Montgomery, Mr. Hannigan was graduated from Montgomery High School and took a special course in welding at West Virginia Tech.

F. P. Claytor Of System Retires



Mr. Claytor

Francis Parr Claytor, system station engineer, retired October 31 after over 27 years' service.

A native of Bedford, he moved to West Virginia and was engaged in business several years before joining Appalachian as inspector in the Bluefield district in January 1929. He was assigned electrical maintenance duties that took him over Appalachian property. In February 1945 he was transferred to system T&D as system air conditioning engineer in the Southern Properties. In June 1952 he was promoted to system station engineer.

He and his wife live in Bluefield, and they have two children, a son and a daughter. He is a member of Christ Episcopal Church and for many years was active in Boy Scout work. A sports enthusiast, he belongs to the Mercer Anglers Club and the Tri-Angle Sportsman's Club.

Right before Mr. Claytor's retirement the system station employees honored him at a surprise dinner at the Patrick Henry Hotel in Roanoke. He was presented a rifle with telescopic sights and a hunting shirt.

NEW DEVELOPMENTS
IN THE
Electric Industry

(The following items are based on material appearing in recent issues of "Electrical World.")

Five Equals Fifty-One. Typical of the progress being made in the electric industry is that reported by Florida Power Corporation. It took 51 years to reach annual sales of one billion kw-hr, only five additional years to top two billion.

It's In The Groove. A new fluorescent lamp with grooves hollowed lengthwise along one side, said to double light output of present tubes of the same length, is being marketed this year. Slated mainly for commercial-industrial, outdoor and street lighting use, the tube is expected to "double lighting levels over the next 15 years," a company spokesman said. Lamps will require special fixtures.

Down On The Farm. By 1965 rural customers, farm and non-farm combined, will be buying 2½ times as much electricity as today. Farm customers, about the same in number as today, will be using twice as much electricity.

Our Climbing Climate. The weather isn't changing any more than it always has, but the climate is. This is the thesis of meteorologist G. H. T. Kimble in his book *Our American Weather*. (McGraw-Hill Book Co.) Defining climate as the average weather condition at a place over a period of years, he says our climate is getting warmer. He notes that sub-zero temperatures in Montreal are only half as common as in the 1890's. The mean temperature in Boston has risen 3.5°F, and the average snowfall in New England is about 25 percent less than in the 1880's.

Walled In. An English firm is experimenting with a new method of heating rooms—wallpaper containing electrical elements.

Familiar Faces
IN
NEW PLACES

Charleston District

JUDY POWERS from clerk-typist, commercial, to clerk-stenographer, personnel; CAROLYN SMITHERS from clerk-typist to clerk-stenographer, T&D records; CLIFFORD BANNISTER from lineman C to lineman B.

Kanawha River Plant

C. C. MURRILL from junior maintenance man to maintenance man; A. R. SCHLAEGEL from junior maintenance man to maintenance man; C. C. BOSTIC from helper to junior maintenance man; R. S. JOHNSON from helper to junior maintenance man.

Logan District

WILLARD W. CHAMBERS from meter service helper, Madison, to meter serviceman C, Logan; MARJORIE V. PARKINS from junior cashier to senior cashier.

Lynchburg District

ARTHUR N. JESSEE from Lynchburg electrical engineer to Logan plant test engineer.

Roanoke District

MARGARET ANN SMITH from clerk-stenographer to stenographer, commercial.

Philip Sporn Plant

CLYDE T. CLARK from harbor boat operator to conveyor operator; KENNETH O. ROLLINS from tractor operator to harbor boat operator; GLEN HUFFMAN from tripper operator to tractor operator; PAUL E. TAYLOR from barge attendant to tripper operator; FRANK M. HARRIS from janitor to guard.

Welch District

JAMES P. SUTPHIN from station man helper to station man C.

Williamson District

W. R. PEYTON from Williamson power sales engineer to Logan senior power sales engineer.

Also Awarded \$250

Carnegie Medal Honors Logan Man For Rescue Of Drowning Motorist



Robert L. Goff, center, shows a letter from the Carnegie Hero Fund Commission to H. J. Collins, left, and Lila Hinchman, right. The letter notified Mr. Goff that his heroic action earned him the Carnegie medal. Miss Hinchman, executive secretary of the Logan County Chapter of the American Red Cross, called Mr. Goff's act of courage to the attention of the Commission. She worked with Mr. Collins, Logan district personnel supervisor, in preparing reports of the incident for Commission study. The medal is now being made. When it is received, a ceremony of recognition is planned.

The dramatic rescue of a motorist from icy December waters two years ago has earned the Carnegie Hero Fund Commission bronze medal for Robert L. Goff.

The Logan meter reader will receive the medal and a check for \$250 this month from the Commission, a national organization which recognizes outstanding lifesaving feats. The Carnegie Medal is considered to be the highest award made for lifesaving.

Mr. Goff saved the life of Mrs. W. T. Reed of Greenmont when the car in which she was riding skidded off a snow-covered road and into the Guyandotte River about 8:30 a. m. December 20, 1954. After the car had floated downstream about 100 feet it began sinking in 12 feet of water. Mrs. Reed crawled into the back seat and called for help. Mr. Goff, throwing off his coat but ignoring his galoshes, leaped in after her. He swam 60 feet in a heavy current before reaching the car. By the time he got there Mrs. Reed had rolled down the back window. He pulled her out by her coat collar, after bracing himself against the car. By then the car was in water only two inches below the window and it sank immediately.

Mr. Goff towed Mrs. Reed 75 feet to shallow water, where two others helped him get her ashore. She was treated for bruises, shock and ex-

posure. Mr. Goff, fatigued by the cold and winded, was given precautionary treatment to ward off pneumonia. He was in the icy water eight minutes.

Last November Mr. Goff received the American Red Cross Certificate of Merit for his heroic feat.

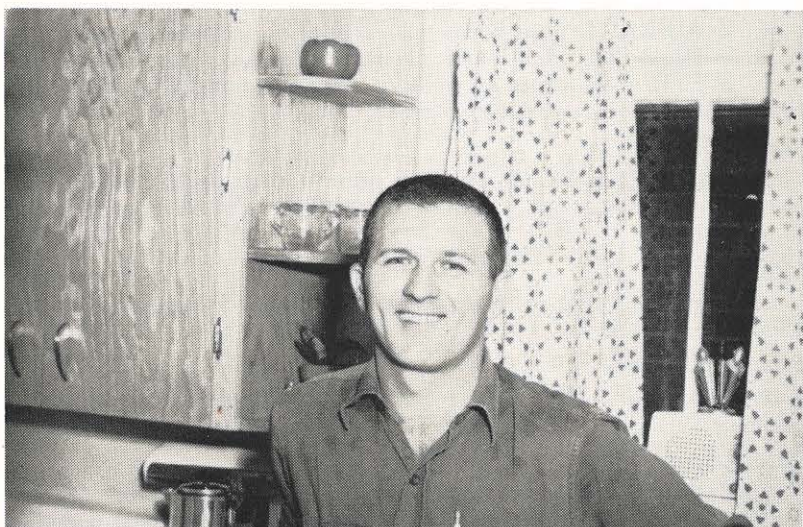
Driving Courtesy Brings Recognition

Simple courtesy on the road contributes a great deal to safe driving.

And once in a while a courteous driver gets recognition when he performs an act of courtesy. Such was the case recently with Paul Bryant, Charleston air conditioning engineer. Paul was driving a company station wagon and found himself in a long line of slow moving traffic.

At an intersection the car back of Paul was frantically trying to get out of line and onto a side street. Paul halted traffic with his station wagon to allow the driver through.

The act resulted in a phone call to the Charleston office from the other driver commending Paul for his courtesy. Sol Padlibsky, columnist for the *Charleston Daily Mail* picked the item up and used it in his column, beginning with this phrase: "This is what I like about my fellow Charlestonians." He went on to tell the story.



Storage No Problem For Koharis

It seems no matter how many storage areas there are around the house, there still aren't enough. Mike Kohari, Williamson auto repairman helper, ran into this situation and decided to do something about it. Here he is shown with the kitchen cabinet he just completed for his wife. Mike has done woodwork for four years. When his wife said something to him about a kitchen cabinet, he went to work with his electric saw and hand tools. The cabinet took about 12 hours to build, and Mike enjoyed it so much he plans to make all new cabinets for his home.



Carbide and Carbon Chemicals Co. of South Charleston has announced plans for a multi-million dollar engineering office building to house 800 employees. The building will go up on the company's 500-acre hilltop site south of the city, where a research center is now and where the company announced recently it would build a multi-million dollar development laboratory.

The Chesapeake & Ohio Railway Company will spend \$40-million in the Ashland area during 1957, largely for construction of 5,000 hopper cars at the Raceland car shops.

Lone Star Cement Corporation in Cloverdale of the Roanoke district now has in operation additional load consisting of a fourth kiln, a raw mill with auxiliaries and an air compressor. This load has added approximately 1260 kw.

Hundreds attended the formal opening recently of the Kingsport National Bank's new building. The bank has installed a six-unit heat pump job (39 kw), a modern electric kitchen (11 kw) with a large assembly room for use by employees and the public, a 40 kw lighting load and 38 kw in miscellaneous equipment.

Hospital expansion is under way in Huntington. The \$2-million expansion at St. Mary's Hospital will result in a load increase of 4 to 5 hundred kva, served by a vault now being constructed. Ground has been broken for the new 50-room \$600,000 annex to the Huntington Orthopedic Hospital.

The new \$65,000 administration building of the Central Virginia Telephone Corporation at Amherst, Lynchburg district, has been completed and is now in service. Outstanding features include the louvered ceiling in the general office and the electric heat pump.

The value of building permits issued in Roanoke, amounting to \$18,393,777 through November 13, is at an all-time high for the city. It is expected to reach \$20-million by year's end. Previous high was 1950 when the value reached \$18,345,000.

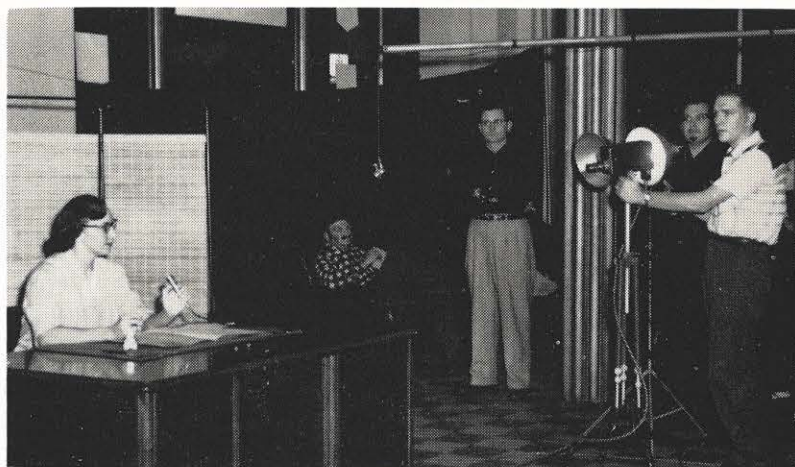
West Virginia Pulp and Paper Company has announced that it will build a new wood concentration facility at Wirtz in Franklin County of the Roanoke district, one of 11 sites in the company's plans for expansion. The woodloading point is near the site of the new Thompson products plant in Franklin County.

Retired And Active Vets Of Pulaski Are Honored

Retired employees and employees with 20 or more years' service were honored at a recent Pulaski district dinner meeting.

Service pins were presented to 19 employees by D. P. Minichan, district manager, who recognized the part these employees have played in the district's safety record. Five retired employees attended and spoke on what they have been doing since retirement. Guests included L. W. Bates, assistant Bluefield division manager, and Paul E. Hilliard, division station engineer. Mr. Bates described the old days of the company and pointed out what progress had been made and what part those attending had played in this growth.

Televised Program Highlights Party



Live performances over real closed-circuit television highlighted the recent Bluefield district Halloween party. Here Elsie Heifner, playing Miss Frances, does a take-off on "Ding Dong School" for the camera, operated by Tracy Cooley, communications. Others wait their turn to go "on camera." The television studio was set up in the lobby and those attending the party viewed the hour and a half show in the auditorium over several large TV screens. Other shows and performers the Bluefield employees parodied were Lawrence Welk's Lennen Sisters, Elvis Presley, Arthur Godfrey, Walter Winchell, Steve Allen and "The \$64,000 Question." A. L. Tyree, city treasurer and a guest at the party, won first prize for his Cave Man costume while Iris and Neel Rich were prize winners in the couples class.



Appalachian Electric Power Company


- Abingdon District**—10 YEARS: W. L. SMYTHERS, engineering aide; R. L. CARTER, area serviceman.
- Beckley District**—30 YEARS: L. D. McGRAW, line foreman; 20 YEARS: E. A. BERGINNIS, area serviceman; 10 YEARS: WILLIAM BROWN, JR., meterman; H. H. FARLEY JR., head material clerk.
- Bluefield District**—30 YEARS: W. G. PECK, credit supervisor; 10 YEARS: LAMER SHRADER, groundman; O. W. ADAMS, electrical engineer; R. R. JONES, station man; HARRY D. SMITH, meter reader.
- Cabin Creek Plant**—20 YEARS: R. J. RADER, boiler maintenance mechanic.
- Charleston District**—20 YEARS: W. W. CHAMPE, general serviceman; 10 YEARS: C. E. BUCK, lineman; ELSIE WALKER, customer service clerk; 5 YEARS: C. I. WALKER JR., area sales representative.
- Glen Lyn Plant**—15 YEARS: WILLIAM COLLINS, maintenance man.
- Logan District**—5 YEARS: RICHARD C. KUHN, meterman.
- Logan Plant**—30 YEARS: BEE QUEEN, shift supervisor.
- Point Pleasant District**—5 YEARS: K. G. ROUSH, area serviceman.
- Pulaski District**—20 YEARS: S. H. BRYANT, area serviceman; 15 YEARS: W. L. DOTSON, truck driver-groundman; 10 YEARS: J. T. KEGLEY, lineman; J. J. CASSELL, lineman.
- Roanoke District**—20 YEARS: W. W. KREBS, district superintendent; R. J. SINER, meter clerk; C. R. PAXTON, division electrical engineer; 15 YEARS: S. E. MURRAY, meterman; 10 YEARS: I. L. R. SPANGLER, PBX operator; R. C. SIMMONS, groundman.
- Philip Sporn Plant**—30 YEARS: CLAYTON A. ATHEY, first assistant shift operating engineer; 15 YEARS: ELSIE E. MOSSMAN, second assistant shift operating engineer; 5 YEARS: PAUL E. STEWART, maintenance man; HARRY R. LAYNE, maintenance man; EARNEST L. DAMEWOOD, maintenance man; WILLIAM H. JONES, instrument maintenance man; WILLIAM R. DOOLITTLE, auxiliary equipment operator; EDGAR A. ARNOTT, maintenance man; PAUL E. ICARD, maintenance man.
- System**—30 YEARS: L. E. JEFFERSON, system invoice and accounts payable supervisor; WADE F. SAGE, system transmission man; 20 YEARS: C. G. PRICE, JR., head cost accounting section; JOSEPH ANGELL, draftsman; 15 YEARS: F. R. NOE, system utility helper, Holston station; 5 YEARS: JULIAN E. MOORE, system station man.
- Welch District**—30 YEARS: P. R. GRUBB, working foreman; 15 YEARS: F. C. BROWN, station operator.
- Williamson District**—10 YEARS: H. S. KISER, JR., T&D clerk; L. W. JUSTICE, meterman; BURNICE SOWELL, car washer.

Kentucky Power Company

10 YEARS: JOHN H. TURNLEY, meter serviceman.

Kingsport Utilities, Inc.

10 YEARS: ALVIN B. PAIRGIN, T&D clerk.



Box Score Of ALL-Electric Homes

Electric heat is being enjoyed in the following number of homes in our three-company area:

	Employees	Customers	Total
Appalachian	120	686	806
Kentucky	9	46	55
Kingsport	21	1488	1509
Total	150	2220	2370

IBM Electronic Equipment Starts Taking Over Billing

Machines Provide For Growth Of Three Companies

Some 30,000 bills with a "new look" will be sent out this month to Roanoke customers. They are the first group of bills to be prepared by the new International Business Machine electronic equipment on the sixth floor of the Roanoke office.

Another 30,000 bills, to be sent out in January, will have the new design and have holes punched in the stub. District by district in our companies, customers' accounting records will be converted to a punch card system by late 1957.

The IBM equipment, first of its kind in use on the AGE System, will provide for the future growth of our three companies in the Southern Properties. By 1965 the system office expects to be billing 735,000 customers, in comparison to the 575,000 being billed today by our companies. This tremendous growth in customers will be paralleled by an even greater growth in customers' kilowatt-hour usage which is expected to double within 10 years.

Doing Big Job

By late 1957 all billings, including final bills, will be processed through the new equipment. And all accounts receivable records that have been maintained in the 26 local offices of the three companies will be processed and posted by the customers' accounting office in Roanoke. In addition to providing for future growth, the equipment will take on more jobs and help solve various engineering and other problems.

The new machinery reduces more of the repetitive clerical chores to machine operations and frees employees for more challenging responsibilities. It also replaces many mechanized operations that were being performed by outmoded machines.

Machine Is No Brain

Speed and accuracy are the two qualities that make the new machinery so valuable. But W. F. Keehne, system office manager, cautions that the machine is not a brain. He points out that the IBM Type 650 Magnetic Drum Data-Processing Machine (as it is formally known) actually does only what people tell it to do. The 650 cannot think. And some 26 units will make up the electronic system.

But it's a fact that this electronic marvel can read and calculate at speeds that defy comprehension. By the time you would be able to think about what the 650's doing, it has done it.

Speed And More Speed

Just to give an indication of the 650's speed, it will average 30,000 additions or subtractions per minute—500 per second. Using 5 digit



These three units make up the heart of the IBM system. Lawrence Ferguson, system billing supervisor, is operating the console unit of the 650 data-processing machine. The read-punch unit is at right with the power unit behind. The three units are interconnected by coaxial cables so they operate as one machine. Ducts above the units take off the heat generated.

FROM SERVICE		TO DEMAND		KILOWATT		DISTRICT		UNIT		ACCOUNT	
911115	001	01	5523750	01	5523750						
APPALACHIAN ELECTRIC POWER CO.											
PAYABLE AT ANY OFFICE OR AGENCY OF THE COMPANY				I WORKED THIS MANY HOURS FOR ALL THIS WORK				HERE ARE MY WAGES FOR ALL THIS WORK			
CODE	PRESENT READING	CONSTANT	KILOWATT-HOURS USED	NET ELECTRIC	NET AMOUNT DUE ON OR BEFORE						
06094	1	480	1488	121956							
LOCAL TAX				PREVIOUS CHARGES	DEPOSIT & INTEREST APPLIED	NET AMOUNT DUE	GROSS AMOUNT DUE		NET AMOUNT DUE		
112						1600	1600				
CODES: EB-ESTIMATED BILL, CR-CREDIT AMOUNT, CM-CHANGE METER. RATE SCHEDULES AVAILABLE UPON REQUEST.											
PLEASE RETURN THIS STUB WITH YOUR PAYMENT											

This is how the new bills processed by IBM electronic equipment will look. The holes in the stub at right indicate the account number and amount of the bill. By late 1957 billing for all districts of our three companies will be converted to a punch card system.

multipliers, the machine will average 10,000 per minute—better than 166 per second. With a 5 digit divisor, it averages 7,000 divisions per minute—about 116 per second.

The machine's 2,200 tubes and 3,600 diodes make it a marvel of engineering. The magnetic drum revolves at 12,500 revolutions per minute or 300 miles per hour. The magnetic drum will remember 20,000 digits of information.

As far as normal operations of billing are concerned, the 650 has a capability of 100 card output per minute. On the average, it takes about 300 operations to compute a straight residential account with no taxes involved. That means the machine performs those 300 operations in about 6/10 of a second. It also means the machine puts out about 20 times as many bills in the same time as the old system.

Helping The Machine

The one thing the machine must know in any problem it is going to solve is the sequence of operations it must follow. This sequence is called the program which is fed to the machine by use of punched cards.

This first step of designing the program for the machine took about a year. Working on this phase of the program were Glenn Calhoun, consumers accounting supervisor, Nelson Hamrick and Thomas Hubbard, AGE auditors on loan to the department.

After the machine is directed in the sequence it is to follow, a second series of punched cards with the problems to be solved are put into the machine. The answers are punched into a third set of cards by the machine. These cards are then transferred to another machine which prints the information.

Makes Work Easier

The new system makes the meter reader's work easier. He formerly wrote each reading and subtracted it from the previous reading while at the meter, giving the actual usage in kilowatt-hours. Now he marks the card with a mark-sensing pencil. These pencils contain a very high graphite content which permits the marks to conduct electricity.

The cards, sent to the Roanoke office, are run through a mark-sensing reproducer which converts the marks on the card to punched holes in the same cards. Information on the card includes geographical area, rate and revenue code, meter number, previous reading, account number, name and address.

Can Give Warning

The card also provides for a code to indicate reading instructions or hazards. In other words, the meter reader can be warned about a dangerous condition or a dog that bites.

A reproducing punch converts the marks to holes so the machine can recognize them. The reproducing punch detects any reading errors. The machine stops if there are two

marks in the same column or if a mark is omitted in a column. Lights on the machine's control panel indicate the reason why the machine refused to process the card. Next the collator checks the account number sequence of the cards. Then the accounts receivable card with its record of the customer's account with any credit or debit is merged with the meter reading card.

The 650 At Work

These reading cards are placed in the left hand of the 650 where the "fingers" feel or sense the holes in the cards and transmit all information by way of its nervous system to the machine's storage cells. These cells have been conditioned by the programmers who have told it just exactly what is to be done with each and every account for each and every possible condition that may exist. The holes in the reading cards have now set up a network of nerves that thread their way through a maze of possible conditions—coming out with properly calculated bills.

In the right hand of the 650 has now been placed all the data necessary to prepare the bill, and so a billing card is punched. Here's where the customer's bill gets another check. If the bill is unusually high or low in relation to past bills, the machine throws it out for a re-check.

The 650 also accumulates information and punches out a card at the end of each district to show customers, kilowatt-hours and amount billed at each rate under each revenue account. A second accumulation shows similar information by geographical location.

Producing The Bill

The customer's bill is reproduced from the billing card, showing the customer's account number, amount of bill and other information generally shown on the electric service bill. The billing card and the customer's bill are put into an accounting machine. The amount side of the bill is printed on the customer's bill from the holes punched in the billing card. The IBM numeric accounting machine prints at a speed of 75 cards per minute, or a bill in less than a second.

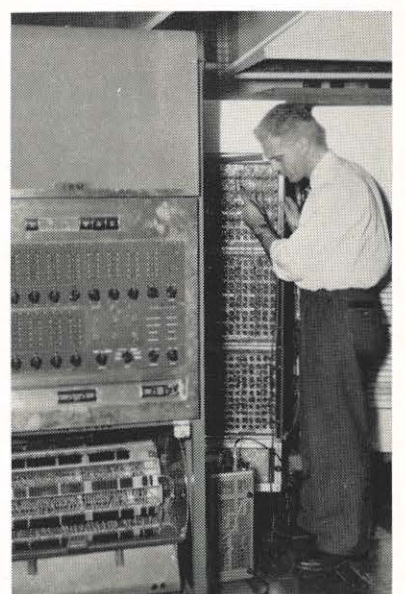
The address side of the bill is printed on an IBM alphabetic accounting machine. A punched address card again provides the information for the IBM machine that reproduces the address. This machine prints at a speed of about 33 cards a minute, or a bill about every two seconds. This step eliminates the old process of addressograph plates for each customer.

The stub that the customer returns to the company when he pays his bill has holes punched in it. These stubs are processed through the IBM accumulating reproducer which reproduces the full size cash card and, at the same time, accumulates the total amount of the stubs to see if the cash stubs are in balance with the amount reported by the cashier.

Never-Ending Job

Thus, the cycle is completed for one billing period. But the 650 gets no rest. It continues on the never-ending job of sending bills to our customers.

By starting this month on its new job, the 650 comes as a climax to the many steps in progress made during the AGE Anniversary year. And it's another reason why our companies can be proud of our part in "50 Years of Progress in Electric Power."



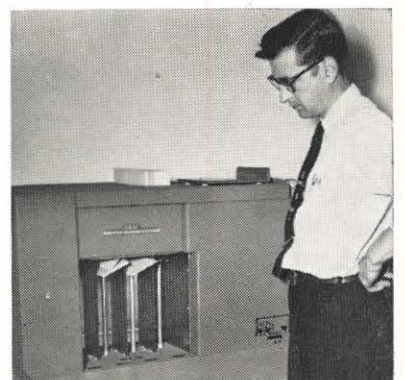
The 650 gets a check by this IBM representative before it goes into operation. He uses test equipment on the thousands of tubes where information is stored in the electronic marvel. It takes about six months to build the 650. At the present time there are only four 650's in operation by public electric utilities in the nation.



These moving company men had their hands full getting this 2,500-pound IBM accounting machine loaded on the freight elevator of the Roanoke office. It was a tight squeeze to get some of the equipment on the elevator at the second floor and then unload it on the sixth floor.



Earl Robertson is wiring a control panel for one of the IBM machines. Each control panel is wired to make the machine do a specific job. But by changing the panels, a machine will do many jobs.



Jack Whitenack is operating a collator to arrange cards in the order desired for processing. All of the machines have automatic check features which can detect errors and call for a re-check of the card.



These three men planned and programmed the billing problem for the IBM 650. From the left: Nelson Hamrick, Glenn Calhoun and Tom Hubbard. Calhoun is consumers accounting supervisor while the other two are AGE auditors on loan to the department.

Sixteen Vets Get Pins



P. R. Grubb Welch
30 Years

W. G. Peck Bluefield
30 Years

L. D. McGraw Beckley
30 Years

Clayton A. Athey Philip Sporn Plant
30 Years



Bee Queen Logan Plant
30 Years

L. E. Jefferson System
30 Years

Wade F. Sage System
30 Years

R. J. Siner Roanoke
20 Years

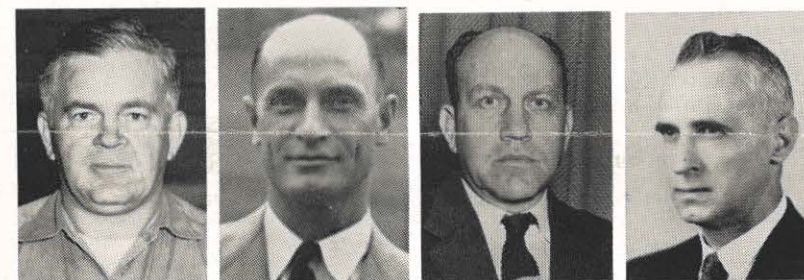


Joseph Angell System
20 Years

C. G. Price, Jr. System
20 Years

W. W. Champe Charleston
20 Years

R. J. Rader Cabin Creek Plant
20 Years



E. A. Berginnis Beckley
20 Years

S. H. Bryant Pulaski
20 Years

C. R. Paxton Roanoke
20 Years

W. W. Krebs Roanoke
20 Years

Plane Strikes Lines And Disrupts Beckley Service

Service was disrupted and electric facilities damaged when a small plane struck power lines and crashed at Coal City near Beckley recently.

A 10-year-old boy was killed when the two-seat plane hit the lines, an automobile and a cluster of trailers. Beckley crews rushed to the scene to restore service. Repairing the damage took 4½ hours.

Ashland Man Is Author Of National Article

A four-page article by O. O. Henderson, Ashland district supervising engineer, appeared in the October 29 issue of *Electrical World*.

The article, called "Transformer Loading Computed From Customer's Kw/hr Use," was illustrated with several charts, tables and diagrams. His article first appeared in the February issue of *Operating Notes*.

Sixteen Complete Regulator Course



Williamson employees recently completed a Westinghouse Regulator Course, climaxing it with a dinner in the company auditorium. Diplomas were presented the 16 employees who took the six-week course. Shown above are front row from left: Fred Varney, instructor; Ernest Bailey, Jack Akers, instructor, and Milton Cole, dinner chairman. Second row from left: Bobby Pinson, Henry Kiser, Clyde Runyon and Joe Hatfield. Third row from left: Truman Smith, J. R. Barbour, Lester Cather, Millard Phillips and Eddie Solovey, course coordinator. Fourth row from left: Kermit Epperley, Junior Stanley, Lee Compton, Rufus Meade and C. L. Miller. Not shown are student Lat Bevins and instructors E. E. King, C. R. Wilson and G. B. Trent.

Employees Plan Annual Christmas Parties

Plans are under way for Christmas parties throughout our three companies. Here is a brief roundup of activities planned in various locations.

Beckley. An adult dinner-dance will be held December 21 at 6:30 in the Beckley Elks Club. The children's party, with entertainment and refreshments, will begin at 10 a. m. December 15, also in the Elks Club.

Bluefield. A party for Bluefield, Princeton and Mullens employees is slated for December 21 at the West Virginian Hotel. After the dinner, Santa will present gifts and a dance will follow. The date has not been set for the Narrows-Pearisburg employees' and the Tazewell-Richlands employees' parties, but both will be the week prior to Christmas. C. L. Shockey, district personnel supervisor, is general chairman of all parties.

Charleston. The Shrine Mosque will be the scene December 14 for the adult party. A banquet will be followed with a variety show by the Stonewall Jackson High School. A dance is also scheduled. The children's party will be held December 15 at 10 a. m. at the State Theatre. A professional clown, Santa Claus, movies and cartoons are slated for entertaining the children. W. R. Witzel, Paul Parsons, Chris Tardy and B. R. Currence are supervising all arrangements.

Fieldale. December 21 is the date for the adult dinner-party at the Hut Restaurant in Martinsville. The affair will begin at 7:30 with Betty Romero as general chairman. The children's party will be held the afternoon of December 20 in the company auditorium. A movie will be shown and Santa will hand out gifts.

Hazard. A turkey dinner will begin the employees' party December 20 in the company auditorium. After the dinner there will be a bingo party and a square dance. The annual kiddies' party is slated for December 21 in the Memorial Gymnasium. A 30-minute cartoon movie will be followed by Santa's appearance. He will take letters from children who have them and orders from those who don't. He will also distribute gifts. A. R. Barber, C. A. Zoellers and M. J. Oze make up the general planning committee.

Kanawha River Plant. The employees' party is scheduled for the Mountaineer Room at Belle December 7. A dinner will begin at 6:30 and dancing at 9. The teen-age children of employees will be guests at a juke box dance at the Chelyan Junior School gym December 14 from 8 to 11 p. m. The children's party will be held at the Palmer Theatre in Cedar Grove December 15 at 10 a. m. Movies and gifts from Santa will be featured.

Logan. The district and plant will combine for an employees' party December 14 in the banquet room of the Masonic Temple. A dinner starts things at 6:30, followed by Edythe Hill Brigode, her songs and accordion as part of a variety show. The group will move to Radio Station WVOW's auditorium ballroom for a dance and bingo party from 8 to 12. The children's party is to be December 15 at the Capitol Theatre. An hour and a half of cartoons, a visit from Santa and gifts for everyone is planned; teen-age sons and daughters of employees will assist the committee in

Logan Youth Named Queen

Elizabeth Ann, daughter of Floyd Hayner, Logan employee, was chosen Queen of the Halloween Carnival at the Whitman Central Grade School. The 10-year-old is in the fifth grade.

conducting the party. The general committee includes L. C. Houchins, H. J. Collins, Jack Blankenship, Evelyn Rucker and Mildred Hannah.

Lynchburg. The Oakwood Club will be the scene December 21 of the adult party. A dinner at 7, door prizes, group singing and other entertainment will precede a dance to begin at 9. Children will have a party December 15 from 2 to 4 p. m. at the Quality Dairy Club Room. Refreshments, movies and surprises, plus Santa and his gifts, are on the agenda. W. L. Booth, Jr. is in charge of this party. Negro employees will hold their party December 15 at the Elks Rest. A dinner will be followed by music and awarding of door prizes. Hampton Davis and Clyde Brown are co-chairmen for the event.

Pikeville. Employees will break into three groups for a dinner at selected restaurants, beginning at 7 p. m. December 14. At about 8 the groups will assemble in the office building for the program, which includes group singing, entertainment by the district's Reddy Players, drawing for door prizes, bingo and other games and dancing. The kiddies' party is slated at the company December 15 at 2 p. m. with movies and cartoons, refreshments, games and Santa and his gifts.

Point Pleasant. Adults will attend a buffet dinner at the Moose Home December 21 and will see the AGE 50th Anniversary film afterward. Then group singing will be held and a three-hour dance will follow. The children will be entertained by cartoon movies and gifts on December 15.

Roanoke District. Employees of the first and second floors of the general office building will hold a dinner-dance at the Elks Club December 19. The engineering and stores employees will have a dinner-dance December 20 at the Elks Club and the meter department will hold a dinner-dance December 21 at Mrs. Price's Party House. Negro employees will have a party December 15 at the Theron Williams Community Center in Salem. A dinner, program and dance will be highlighted. Two parties for children of white employees, including system, will be held in the company auditorium December 21. Children of Negro employees will be entertained at a party the afternoon of December 2 at the Orange Avenue YWCA. Santa will visit all three parties, and refreshments and movies will also be featured.

Philip Sporn Plant. Children of employees will be guests at the Haven Theatre in New Haven December

22 at their annual party. A movie and Santa with his gifts will be highlighted. Paul E. Scally, Karl M. Wiles, Ralph V. Gibbs, Jr., and Rome Williamson are in charge.

System. Employees of system accounting will hold a dinner-dance at the Crystal Ballroom of the Patrick Henry Hotel December 18 at 7 p. m. Margaret Haley is chairman of the party. Employees of the third and fourth floors of the general office building will have a party December 21 at the Elks Club. Jim Tapley is in charge of arrangements, which include a dinner and a dance.

Welch. Six parties are planned in the district. The Grundy employees' party is to be December 14 at 7 p. m. at the Masonic Temple while the children's party will be held December 15 at the local office at 10 a. m. The Pocahontas-Switchback party for adults is December 21 at 7 p. m. at the Masonic Temple, and the children will have a party at 2 p. m. December 21 at the Switchback substation. The Welch-Pineville employees' party is December 20 in the company auditorium at 7 p. m. The children will be entertained December 19 at 4 p. m. in the auditorium.

Williamson. A dinner at 7 p. m. December 14 in the Mountaineer Hotel will begin the employees' party. Bingo, dancing and other entertainment will follow at the company office. Movies and singing will highlight the kiddies' party December 15 at 2 p. m. when Santa will hand out gifts. J. R. Hartzog, J. L. Gilbert and Florence Murphy are in charge of arrangements.

Kiwanis Club Names Roanoker President

W. S. Kitchen, system safety supervisor, has been elected president of the Williamson Road Kiwanis Club of Roanoke.



Mr. Kitchen

He served the club as first vice president this year and second vice president last year. A member for four years, he has also been active on several committees.

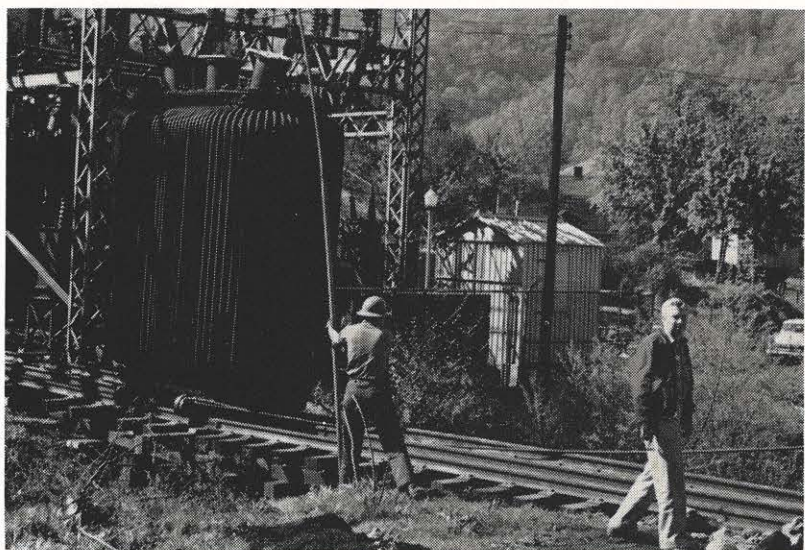
Mr. Kitchen is chairman of the project committee and on the executive committee of the National Safety Council. He joined Appalachian at Bluefield as safety inspector in April 1943 and moved to his present position March 1, 1949. He is married and has one daughter.

Civitans Honor Beckley Man



B. H. White, Jr., left, recently received two awards from the Beckley Civitan Club. The Beckley district local office manager is holding a plaque decorated with a gavel and naming him to the position of Honorary President. He is receiving from club president Isidore Wein a certificate from Civitan International. Both awards were presented to him for outstanding work as secretary of the club for the past nine years. He is also ex officio member of all committees. He has been with Appalachian since 1923 and is married and the father of a son and a daughter.

Bridge Built, Rails Laid For Removal Of Transformers At Pikeville Station



Freddie Collier and William Zoellers prepare to move a transformer from Elkhorn City station across a ravine so it can be put on a railroad flat car.

A bridge had to be built and connecting railroad rails laid when two transformers were recently replaced at Pikeville's Elkhorn City Station.

Two 5,000 kva transformers were removed to make way for a 20,000 kva transformer to enlarge the station. Usually this type job is not bad under ordinary circumstances, but a big problem presented itself in this case. The station is located across a creek from the railroad line and a bridge to support each of the 40-ton transformers was needed.

A railroad flat car was brought to the site to haul one transformer to Charleston for repairs. The bridge was built and the rails laid. Then the "Big Hook" from the Clinchfield

Railway Company moved in and lifted the transformer from the new tie onto the flat car. A reverse procedure was used when the 20,000 kva transformer was brought in. The C&O Railway used its own crane for removal of the other 5,000 kva transformer.

The bridge and rail work was done by Andrew Poulos, G. C. Bevins, Garnie Edmonds, Ireland Charles, Maurice Keene, Freddie Collier, R. C. Anders, H. M. Eagle, and William W. Zoellers. The section crew of the C&O was on the project, too.

The two transformers will be used elsewhere in the system. The new transformer was installed by district and system employees.

Customer Makes Things Right

A letter and \$3 arrived in Roanoke's local accounting office the other day.

A former Roanoker had written the letter, saying in part: "I am very sorry now but used a wire a time or two to block the juice from the meter."

And, explaining the money, the person went on: "I feel I owe the company a dollar or two to make things right with God, so I am enclosing three dollars to make things right."

Sporn Man To Head PTA County Council

Earl H. Keefer has been elected president of the Mason County PTA County Council.



Mr. Keefer

The Philip Sporn plant chemist assistant has served several terms as president of his PTA and has been active on the County Council. Previous to company employment he spent

three years as a teacher in Mason County schools.

Mr. Keefer was employed as a filter plant operator November 11, 1949. He later became a laboratory tester and was promoted to his present position July 1, 1952. He is married and the father of three children.

Plant Supervisors Complete Courses

Thirteen Logan plant supervisors have recently completed courses in instructor training and employee development training.

W. W. Winter, AGE Service Corporation supervisor of personnel research; J. A. Mundy, system employee relations supervisor, and L. C. Houchins, plant personnel supervisor, were the instructors.

The 13 included Michael Babinetz, R. D. Booker, S. D. Brinegar, C. H. Feizli, George Frey, A. V. Hannah, B. W. Lanthorne, C. E. Marshall, W. G. Matthews, R. G. McComas, M. F. Morrison, Bee Queen and J. R. Warren.

Sporn-Kaiser Line Is Energized



Appalachian system employees cut in the first circuit from Philip Sporn plant to Kaiser Aluminum and Chemical Corporation's substation at Willow Grove. Shown above are from left: A. B. Purdy, system relay; Ken Martin, system meter; Kermit Ford, system substation operator; R. B. Greer, system relay, and L. B. Ferguson, system substation supervisor, who is throwing the switch. This line is the first of four that are planned to operate at 132,000 volts to supply power to the huge Kaiser plant. Ohio Power will supply the power through Sporn plant. The new line replaces a temporary 33 kv line. The Kaiser station was energized November 2.

Fire Fighters Learn At Kanawha



J. W. Paxton, Jr., labor department, extinguishes a fire as C. H. Yoho, AGE fire protection supervisor, looks on. The action came during a fire fighting school at Kanawha River plant where the latest fire fighting techniques were demonstrated. A surprise alarm was held during the school to test the alertness and efficiency of the fire fighters. New employees and the plant fire brigade attended the school, where they learned the operation of the fire truck and accessory equipment, various extinguishers, use of a portable pump using the river as a source, and use of the Chemox breathing apparatus.

Ben Bates To Lead Welch Kiwanis Club

Ben E. Bates, Welch district meter supervisor, has been elected president of the Welch Kiwanis Club.

A member for 11 years, he was vice president this past year. He has also served on the board of directors for eight years and on several committees, particularly those dealing with the Red Cross.



Mr. Bates

September 24, 1923 as a helper. He has served as assistant shop foreman, meterman and meter superintendent. He came to Welch on June 1, 1944.

He is assistant Sunday School superintendent of the Methodist Church in Bluefield, Va. He has been a Mason since 1925 and is past master of his lodge, serving in both 1943 and 1944. He has been a Royal Arch Mason since 1926, and is also a member of the American Legion. He is a member of the International Association of Electrical Inspectors and the Pocahontas Electrical and Mechanical Institute.

G. S. Dunn Named To Head PUA A Region

G. South Dunn, public relations director of our three companies, has been elected chairman of Region 5 of the Public Utilities Advertising Association.

The election came at a recent meeting at Lake James, N. C. Members of Region 5 of the Association come from Alabama, Cuba, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Virginia.



Mr. Dunn

Two Roanoke Employees Write 'World' Articles

Articles by two Roanokers appeared in the November 26 issue of *Electrical World*. J. Sherman Payne, meter serviceman, wrote "Service Drop Work Made Safer, Easier." And J. L. White, division supervising engineer, contributed "Reclosers On Feeders Pay Off."

Fishing Planned By Cabin Creek Retired Man



Mr. Drennen

Floyd A. Drennen retired November 1 after over 13 years' service at Cabin Creek plant.

The boiler maintenance helper joined the plant May 27, 1943 in the boiler maintenance department. Born at Drennen in Nicholas County November 12, 1891, he worked in coal mines before coming with Appalachian.

Follow employees, knowing of Mr. Drennen's fondness for fishing, presented him with a selection of fishing equipment. His retirement plans call for an extended vacation in Florida where he will consider making his home. Sam Pickens, a retired Cabin Creek man who lives near Sanford, will be Mr. Drennen's fishing partner.

In addition to fishing, Mr. Drennen plans to devote a large part of his time to study of the Bible and church work.

Mr. Drennen complimented his fellow workers and the company, saying he regretted leaving, and added: "I have gotten behind with my fishing and now I'll have plenty of time to catch up."

Lynchburg Vets Honored At Anniversary Dinner

Ten Lynchburg employees who have received pins for 20 or more years' service during 1956 were honored at a recent dinner.

They then attended a play in the E. C. Glass High School auditorium. Honored were W. H. Key, L. L. Crocker, E. J. Rice, R. C. Reynolds, W. E. Metts, B. C. Cook, L. R. Hudson, Mildred V. Marcus, B. L. Burnley and H. C. Metts. Wives and husbands of employees also attended.

Pearisburg Snow No Problem



There'll be no slipping and sliding from snow in front of the new Pearisburg office building of the Bluefield district. Electric heating cable, contributed by a manufacturer, has been installed under the concrete sidewalk. Here, John B. Kahle, left, and Archie Phlegar, with back to camera at right, are installing the cable as James R. Boulton, area sales representative, looks on. Mr. Kahle and Mr. Phlegar are heating and builder sales representatives. The 1600-watt cable is 582 feet long and covers an area of about 120 square feet.

Trapped Dog Finds New Home

The dog was on a ledge to be sure, but the men thought it would get back to solid ground.

But when they returned two days later and the dog was still there, the men lowered a rope and pulled the dog up. This happened when a Welch line crew was moving lines in the Coney Island section to make way for a new by-pass recently.

The dog was hungry when they got it to safety and acted like the men were long-lost friends. One of the men, Lawrence E. Lane, lineman, took the dog home after the crew tried unsuccessfully to find its owner. Mr. Lane has children who have made sure the dog has a home for keeps.

Ten Couples Married Recently



Recent brides among employees and their families are pictured above. TOP ROW from left: Mrs. Norman Talmage Dial, Logan plant; Mrs. William Alexander Haddad, system, and Mrs. Jimmie Wayne Munsey, system. MIDDLE ROW from left: Mrs. Lawrence Edward Ferguson, Jr., system; Mrs. Ira Combs, Hazard, and Mrs. Paul Spaulding, Jr., Huntington. BOTTOM ROW, from left: Mrs. James W. Jackson, Logan plant; Mrs. Perry W. Miller, Jr., system, and Mrs. Paul R. Chapman, Welch.

Keith-Dial

Marcia Christine Keith and Norman Talmage Dial were united in marriage November 10 at the home of the bridegroom's sister in Chapmanville. Mr. Dial is a utility man at Logan Plant.

Brinegar-Jackson

Alice Rose Brinegar was married November 17 to James W. Jackson in a double ring ceremony at the First Baptist Church of Logan. She is the daughter of S. D. Brinegar, Logan plant coal handling foreman.

Simons-Miller

Betty Lou Simons and Perry W. Miller, Jr. were married October 16 at Sparta, N. C. He is a system utility helper at the Switchback Station.

Ashley-Chapman

Imogene A. Ashley and Paul R. Chapman were united in marriage October 13 in the Sparta Methodist Church of Sparta, N. C. Mrs. Chapman is a junior clerk in the Welch commercial department.

Pratt-Combs

Doris Ann Pratt was married October 31 to Ira Combs. Mrs. Combs is a junior clerk in the Hazard accounting department.

Williams-Spaulding

The First Presbyterian Church of Huntington was the scene November 3 of the marriage of Martha Williams and Paul Spaulding, Jr. Mr. Spaulding is employed in the Huntington system billing office.

Donaldson-Ferguson

Patricia Sue Donaldson and Lawrence Edward Ferguson, Jr. were united in marriage at the Tabernacle Baptist Church of Roanoke October 19. Mrs. Ferguson is a system accounting employee and he is a VPI student, part-time local accounting employee and the son of L. E. Ferguson, system consumers billing supervisor.

Blevins-Vernon

Trula Ann Blevins was married October 27 to James F. Vernon at the Marion Methodist Church. Mrs. Vernon is a junior clerk at the Marion office of the Pulaski district.

Williams-Munsey

Ferne Joyce Williams and Jimmie Wayne Munsey were united in marriage October 8 at the Methodist Church of Sparta, N. C. Mr. Munsey is a system utility helper of the system operating department.

Harpold-Haddad

Norma Ann Harpold and William Alexander Haddad were married November 3 in the Westminster Presbyterian Church of Charleston. He is a system utility helper at the Kanawha station.

They're Engaged

BETTY JEAN MERIWETHER to Emory R. Miller. She is employed in the Beckley commercial department and he is Oak Hill area sales representative.
MARGIE RUTROUGH to Jack Fleshman. She is employed in the system accounting office.

Linda Bryan Chosen For College Honors

Linda Bryan was recently chosen Homecoming Queen and a Campus Beauty at Carson-Newman College of Jefferson City, Tenn.

The daughter of C. J. Bryan, assistant Kingsport general manager, she was named to the homecoming honor by the school's football team. Her Campus Beauty title was bestowed at the college annual Harvest Festival and entitles her to competition with seven others for the "Miss Appalachian" title. Vice president of the senior class, she has been a cheerleader for two years.

She is a member of the Calliopean Literary Society and is majoring in Bible. She plans a teaching career after graduation.



Linda Bryan

Meter Employees' Wives Form Club

A new club, the Meter-Ettes, has been formed in the Ashland district by wives of meter department employees.

The organization came at a Thanksgiving dinner given by Mrs. Dora Adkins of the meter department for wives of meter employees. The group will meet four times a year in February, May, August and November for the purpose of promoting fellowship and getting acquainted.

Those attending the organizational meeting were Mrs. John Kinney and Mrs. Jack Pauley of Greenup; Mrs. Frank Alexander, Mrs. Charles Howard and Mrs. Clayton Wilburn of Grayson; Mrs. Lincoln Bloebaum, Mrs. Donald Bolner, Mrs. W. S. Burchett, Mrs. John Caines, Mrs. Ernest Robert, Jr., November 20. Mr. Biggs is a material clerk.
MR. AND MRS. JAMES A. KIRBY, a son, Frank Robert, October 24. Mr. Kirby is employed in the T&D meter section.

Anna Jackson Is Elected Queen Of High School

Anna Jackson has been elected queen of the Peterstown High School. She is the daughter of H. P. Jackson, Glen Lyn plant employee.



Anna Jackson

Anna is a senior and an "A" student. She is the third member of the H. P. Jackson family to reign as queen or king of the Peterstown School.

Anna hopes to become a commercial airline hostess when she finishes school.

One Club Has Two Others In For Party

The K-Appa-K Girls Club of Williamson was a Halloween party host to members of the Pikeville KPO Girls Club and the Logan Appa-Lassie Club.

The Williamson auditorium was decorated in traditional Halloween style and entertainment included a fish pond, games and a ghost story. A skit entitled "Shotgun Wedding" was put on by Hazel Farris, Pat Dudley, Pat Varney, Betty Roach, Peggy Francis, Tina Davis and Frances Keadle.

From Request To Hobby To Business Is Williamson Woman's Success Story

Like Topsy, it "just grewed." That would be an appropriate description of the hobby-business of Mrs. R. L. Carpenter.

The wife of the Williamson groundman was approached a year ago by neighborhood children to help them make a dress for a doll. She found several pieces of cloth suitable for the dress in her sewing kit and the finished product brought looks of delight from the children.

Mrs. Carpenter decided that making doll clothes would be a good hobby. But it didn't take long for her skill to come to the attention of mothers in the surrounding area. The phone started ringing with request for clothes for other dolls, and soon Mrs. Carpenter had a business going.

Some of the clothes she has made include a majorette outfit with boots and matching hat, cheerleading costume, a fur jacket, knitted sweaters with matching caps, evening gowns with stoles and evening bags to match and so on. So good are the clothes that she was recently asked to display some of them at the Matewan Fair, where they were an outstanding attraction. And with Christmas coming



Mrs. R. L. Carpenter of Williamson displays some of the many clothes she has made for dolls. What was a hobby has grown into a business for her.

Singer Sewing Machine Company of Williamson has asked her to display the clothes in their store window, where they will be offered for sale.

How profitable has been this business? From proceeds she paid her son Bobby's tuition to college this fall. She has a full time job as registered nurse at a Williamson hospital, but she still found time to win blue ribbons at the fair for a quilt and a bedspread she made.

New Arrivals

- Abingdon**
MR. AND MRS. ARTHUR ALLAN COUNTESS, JR., a son, Arthur Allan III, November 16. Mrs. Countess was formerly employed in the T&D record section.
MR. AND MRS. HAROLD W. COX, a daughter, Donna Gale, October 26. Mr. Cox is a T&D clerk in Gate City.
MR. AND MRS. FLEECY NEAL, a daughter, Kathy Lea, October 15. Mr. Neal is a construction inspector at Clinch River plant.
- Beckley**
MR. AND MRS. JAMES A. BARKER, a daughter, Janet Lynn, November 18. Mr. Barker is employed in the T&D meter section.
MR. AND MRS. E. R. BIGGS, a son, Ernest Robert, Jr., November 20. Mr. Biggs is a material clerk.
MR. AND MRS. JAMES A. KIRBY, a son, Frank Robert, October 24. Mr. Kirby is employed in the T&D meter section.
- Bluefield**
MR. AND MRS. J. E. BAILEY, a son, David Edward, October 24. Mr. Bailey is a T&D clerk.
MR. AND MRS. RYLAND Y. BAILEY, a daughter, Pency Lynette, October 26. Mr. Bailey is an area sales representative.
MR. AND MRS. ARCHIE PHLEGAR, a son, Charles David, November 1. Mr. Phlegar is a heating and builder sales representative.
- Cabin Creek Plant**
MR. AND MRS. H. H. CARRICO, a girl, Diana Leigh, August 10. Mr. Carrico is employed in the mechanical maintenance department.
- Fieldale**
MR. AND MRS. EARL BULLARD, a daughter, Meryl Ann, November 17. Mr. Bullard is an instrument man.
- Glen Lyn Plant**
MR. AND MRS. R. B. RATLIFF, a son, Gary T., November 13. Mr. Ratliff is a test engineer.
- Huntington**
MR. AND MRS. WALTER BOGGS, a daughter, Jane Ann, October 16. Mrs. Boggs was formerly employed in the T&D record section.
MR. AND MRS. JACK K. BUTLER, a son, Rod Owen, October 12. Mr. Butler is employed in the T&D line section.
MR. AND MRS. GEORGE T. MCCLURE, a daughter, Pamela Ann, November 1. Mr. McClure is employed in the accounting department.
MR. AND MRS. BERNARD L. MOORE, a daughter, Gay Marie, October 30. Mr. Moore is employed in the commercial department.
MR. AND MRS. CHAPMAN RUTLEDGE, JR., a daughter, Debra Sue, October 28. Mr. Rutledge is employed in the T&D meter section.
- Kanawha River Plant**
MR. AND MRS. B. B. BRIGGS, a son, Keith Alan, November 10. Mr. Briggs is a laborer.
MR. AND MRS. W. E. VELLINES, a son, Jeffrey Morgan, November 7. Mr. Vellines is a test engineer.
- Kingsport**
MR. AND MRS. DEWEY BOWMAN, a daughter, Shari Kay, October 30. Mr. Bowman is a labor foreman.
- Logan Plant**
MR. AND MRS. ANTHONY ADAMS, a son, Dana Paul, November 14. Mr. Adams is a coal conveyor operator.
MR. AND MRS. D. F. BRUMFIELD, a daughter, Sherry Leigh, November 12. Mr. Brumfield is a utility operator.
- Lynchburg**
MR. AND MRS. GEORGE W. STONE, JR., a girl, Martha Frances, October 25. Mr. Stone is a stores clerk.
- Philip Sporn Plant**
MR. AND MRS. GEORGE A. HOUT, JR., a son, George Andrew III, November 10. Mr. Hout is a chemist assistant.
MR. AND MRS. GEORGE R. JOHNSON, a son, Barry Mitchell, November 3. Mr. Johnson is a laborer.
- Pikeville**
MR. AND MRS. IRELAND CHARLES, a son, Ikey Charles, November 3. Mr. Charles is a station man.
MR. AND MRS. JAMES HOPSON, a daughter, Terri Lynn, November 8. Mr. Hopson is a rodmann.
- Pulaski**
MR. AND MRS. JAMES H. BLOUNT, JR., a son, Steven James, November 4. Mr. Blount is a former employee in the Christiansburg office.
MR. AND MRS. LANZY R. MABE, a son, Robert Eugene, November 4. Mr. Mabe is a Galax meter reader.
- System**
MR. AND MRS. D. O. FRANGO, a daughter, Bonita Gaye, October 28. Mr. Frango is employed in the Roanoke section of the system station department.
MR. AND MRS. R. L. HALL, JR., a daughter, Cathy Lynn, October 8. Mr. Hall is employed in the Charleston section of the system station department.
MR. AND MRS. ORAL LAMASTUS, a son, Russell Howard, October 24. Mr. Lamastus is a system station operator at Baileysville.
MR. AND MRS. H. E. MOORE, JR., a daughter, Carol Anne, October 1. Mr. Moore is employed in the Bluefield section of the system station department.
MR. AND MRS. A. G. THORNTON, JR., a son, Joseph Dailey, November 17. Mr. Thornton is employed in the Roanoke section of the system station department.
- Welch**
MR. AND MRS. THOMAS P. LOCKHART, JR., a daughter, Martha Jean, October 16. Mr. Lockhart is employed in the Grundy commercial department.
- Williamson**
MR. AND MRS. BILLY WILLIAMS, a son, Billy Ralph, October 24. Mr. Williams is employed in the line department.

Costumes Win Prizes At Tri Fori Masquerade

About 60 people attended a recent masquerade party sponsored by the Tri Fori Club of Roanoke.

Bill Sheaff won the door prize and Scott Haskins as Elvis Presley won a prize for most original costume. A division engineering employee, he is the husband of Loretta Haskins, system personnel, who is a club member. Don Foutz, guest of Ruth Poin-dexter of public relations, won a prize for funniest costume. He came as an old lady in a night shirt.

Three Employees Officiate At Beckley And Rainelle Area Football Contests



Officials at Rainelle and Beckley area football games are these three employees. From left are J. W. Begley, R. L. Hardy and A. C. Altizer.

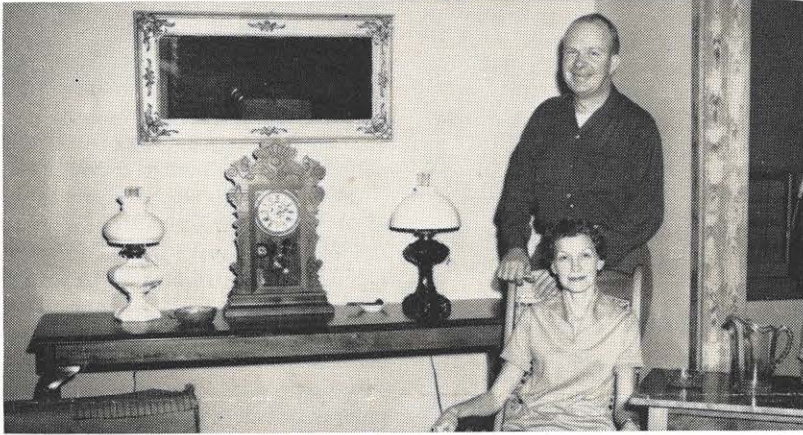
The man who enforces the rules at Rainelle and Beckley area football games could very well be an employee.

Three employees officiating at local games this year will continue through basketball season. Jennings W. Begley, groundman, and A. C. Altizer, truck driver-groundman, of Rainelle, and R. L. Hardy, Beckley lineman, are members of the Greenbrier Valley Association, which means they have met rigid tests and have been approved by the West Virginia Athletic Association as football and basketball officials.

Mr. Hardy is also a member of the Coal Field Conference Association. He played high school football and

has been officiating for four years. Mr. Begley played high school football and basketball and started officiating in service. He became a member of the Greenbrier Association last year. And Mr. Altizer played both high school and service football, and went on to a year in semi-pro ball. He also became an Association member in 1955.

Collecting Milk Glass And Antique Furniture Is Hobby Shared By Peytons



Mr. and Mrs. W. R. Peyton are surrounded by pieces of furniture and milk glass they have collected and refinished.

W. R. "Bill" and Nita Peyton have for many years shared a hobby—collecting milk glass and antique furniture.

The Logan power sales engineer, who just recently transferred from the Williamson District, and his wife have picked up many pieces for their collection during vacation traveling. Bill's main function in the hobby is refinishing the antique furniture they acquire. Some of these include a mantle clock, a solid red cherry table belonging to her great-grandmother and estimated to be 150 years old and a Birds-Eye maple chair. Bill has also wired for electricity two old oil lamps, one in milk glass and the other amethyst blue.

One of their newest pieces of furniture is a goose-neck rocker, which they saw on a porch and talked the owner into selling. Bill refinished it and added a reed back and bottom. They are now upholstering and refinishing an old Captain's chair which they estimate weighs 80 pounds. Nita will do the needle-work for the cushion of the chair.

Each piece of furniture takes about

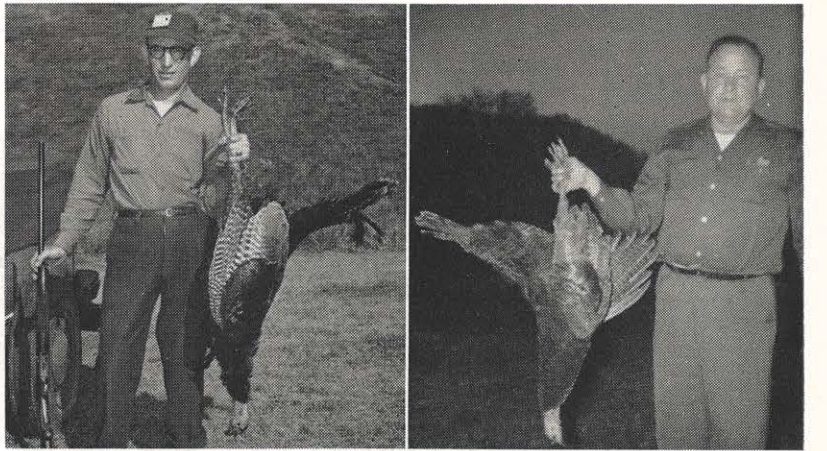
Reddy Lends Hand At Football Concession

Reddy Kilowatt recently came to the rescue of chilled football fans and the Junior Women's League of Paintsville.

The club operates concession stands at football games in the Pikeville district, with the proceeds going to sponsorship of the annual Big Sandy Bowl Game. This year attempts were made to serve hot coffee and chocolate to spectators, but the project seemed doomed because of the problem of getting hot water at the concession stand.

Chandos Tackett and Chester Smith, Pikeville power sales engineers, came up with a solution. They installed a 52-gallon water heater on a pickup truck and filled the tank with water. The truck was driven to the field and the water heater connected. By game time there was plenty of hot water—each time the tap was opened great clouds of steam rolled out to advertise coffee and chocolate that was indeed hot.

Bag Turkeys For Thanksgiving Dinner



These company nimrods downed turkeys recently for their Thanksgiving dinner tables. LEFT: Clifton B. Chapman, Huntington transportation employee, shot this 20-pound wild turkey near Huntersville in Pocahontas County. RIGHT: C. A. Farley, Pineville area supervisor of the Welch district, also got his 10-pound turkey in Pocahontas County. His son, Freddie, accompanied him and the two also bagged their limit in squirrels.

Tight Race Developing In Sporn Bowling Loop

The Philip Sporn plant bowling league has developed into a tight battle for top honors.

Maintenance No. 3 and the Pulverizers are tied for first place with two weeks to go in the first half. Maintenance No. 2 and Results are tied for third. Junie Gibbs has high average of 186, Marvin Roush the high set of 637 and Wyllis Davis the high game of 235.

Employee Guides Annual Christmas Decorations

James R. Burdsal took things in hand when it came time to decorate Pikeville's business section for Christmas.

The district supervising engineer and member of the Rotary Club headed a committee of civic representatives that made elaborate plans for decorations and enlisted help from citizens including employees to carry them out. Funds were raised, a work schedule made, and work begun. Under Mr. Burdsal's leadership Pikeville has outstanding Christmas decorations.

Best Sportsman



A trophy for the best sportsman of the Logan Businessmen's Softball League has been awarded Paul Cantley, Logan appliance serviceman. The coveted award was made at the league's recent annual banquet. Paul plays second base for the Kilowatts, company entry in the loop.

Accounting Streak Puts Team In Roanoke Lead

Accounting, riding a winning streak, has climbed into first place in the Roanoke Bowling League.

The team has a 22-8 record as compared to 19-11 for second place Stores. Leroy Gregory of Line and Station has high average of 113 and high game of 163, while Tommy Mitchell, Accounting, has high set of 395. Local Office has high single of 606 and high set of 1,687. The first half ends December 17.

State Winner



Paul H. Adams is pictured with two trophies he and his bowling team won in the State Elks Bowling Tournament. The Logan station man rolled for the Logan Elks, which captured first place in the state tourney. Paul also rolled the high three-game series of the tourney with a score of 600.

Circuit Breakers Win Beckley's First Quarter



Wearing smiles of victory are these members of the Circuit Breakers, first quarter bowling champions of the Beckley district league. Team members include from left: Bob West, Jim Crane, Elizabeth Scott, Jim Kirby and captain Clyde Marshall. The team compiled a 16-8 record for the title and will meet the second quarter champs for the first half title.

Coon Hunter

The coons didn't mind one bit when Henry E. Farmer, Jr. took time off from hunting to read a meter one night.

Henry, Welch meter reader in Grundy, went coon hunting one Saturday night and near Old House Branch he came across a demand meter on one of the truck mines. Henry knew this meter had to be read on Monday and he also knew it would take considerable time to get back to the mine to read it.

So he pulled out his flashlight, read the meter and continued on his merry way with coon hunting.

Seven To Lead Bluefield Group



These seven employees have been elected to offices of the Bluefield Employees Benevolence Association. They are, seated from left: Eulalia Foto, treasurer; Norma J. Longacre, secretary, and Jack Boyd, chairman. Standing from left, all members of the board of directors, are: Bob Gilpin, Joe Whittaker, Mary Ruth Whittington and Heber Stafford.

Pulaski Benevolent Group Officers Elected



New officers were elected as the Pulaski District Appalachian Employees Benevolent Association moved into its second year of operation. They are from left: G. G. Roseberry, chairman; P. C. Payne, director; J. L. Marshall, Jr., director; G. K. Smythers, secretary; A. D. Clark, director; C. A. Schmidt, treasurer, and B. B. McCall, director. The Association proved successful in its first year of operation.

Good Neighbor Policy

Cinders From Logan Plant Help Fill Island For School And Recreation Facilities



Underneath this school site is the lowly cinder, waste product of our plants. Cinders were pumped onto this island from Logan plant for four years, helping to build up and solidify the surface so that the high school, football field and other facilities could be built. Logan plant is at left and the Guyan River is visible around the island.

The lowly cinder, a waste product of our plants, has become most valuable around Logan.

Five years ago Logan plant began a project in cooperation with The Gay Coal and Coke Company and Logan County officials that has led to a new high school, a football field and other recreational facilities.

Scarcity of suitable land left Midelburg Island, in the Guyan River, the only desirable recreational site in the Logan area. The island, located next door to Logan plant and near the entrance to the city, was small with a slope at the south end in 1951. Hard rains had resulted in disastrous erosion, which made future planning impractical, unless the

island surface was drastically changed.

Then in July 1951 officials of Logan County and the Gay company met with J. A. Patterson, Logan plant manager, to plan development of the site. The coal company agreed to truck slate from its operation to help fill in the low area of the island. Logan plant agreed to pump cinders and soot onto the slate to solidify the fill.

From July 1951 until July 1955 the plant pumped 55,000 tons of cinders and soot into the fill. This amounted to 40,000 cubic yards of material. Many more tons of slate

were trucked in by the coal company.

And what does the once badly-eroded island look like today? A senior high school and modern field-house are going up at a cost in excess of \$2-million. A football stadium seating 3,000 and an adjacent parking area are completed. A picnic area and three softball diamonds are also located on top of the fill.

The lowly cinder is also doing other worthwhile civic jobs around Logan. Approximately 10,000 tons have been given to municipalities, business concerns and homeowners to use as a base and filler.

I&M Plant Honors Breed Family Men

A family name long prominent in AGE affairs has been chosen as the name of I&M's new plant in Sullivan County, Indiana.

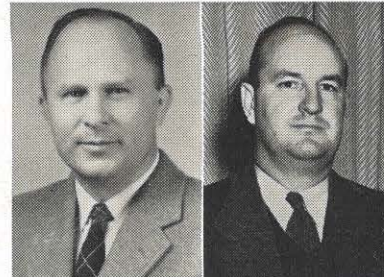
Philip Sporn, president of AGE and our companies, has announced the plant would be called Breed Plant. The plant will house a 450,000 kw generating unit, one of two of the largest and most efficient power producing machines in the world.

Three members of the Breed family were active in direction of AGE for 48 of its first 50 years: Richard E. Breed was one of the founders and 15 original directors of the company in 1906, was president from 1910 to 1923 and chairman of the board from 1923 until his death in 1926; George Breed, his brother, was elected a director in 1907 and served until his death in 1939; and Richard E. Breed III became a director in 1939 and served until his death in 1954.

Roanoke First In 'Notes' Activity



Mr. White Mr. Jones



Mr. Johnson Mr. Bailey

Roanoke leads all other AGE System divisions through November in relative participation in AGE's *Monthly Operating Notes*.

This was revealed in the November issue of the publication. A chart showing "relative participation by field divisions" pointed out that while Roanoke division is first, others high up in the list include Charleston, which is tied for third, and Bluefield and Philip Sporn plant, tied for seventh. The AGE System is divided into 22 field divisions for "Notes" purposes.

The chart also showed "relative number of field items by class," with power plants and distribution classes leading the rest.

Four men have the responsibility of acting as field editors for Roanoke division. They are J. L. White, Roanoke division supervising engineer; J. E. Jones, Roanoke-Bluefield division area development representative; P. J. Johnson, hydro supervising engineer, and P. L. Bailey, Lynchburg district superintendent.

More Good Ideas

10 Appalachian Employees Contribute Articles To 'Monthly Operating Notes'

Seven of 11 articles in the November issue of AGE's *Monthly Operating Notes* were written by Appalachian employees.

Henry Altieri, general utility man, and R. A. Armistead, line and station supervisor, of Roanoke, co-authored "Safety Locks For Hydraulic-Ladder Controls." The article describes a lock devised for use on controls of hydraulically operated ladder trucks. This safety measure prevents an accidental releasing of the controls when a man is on the ladder.

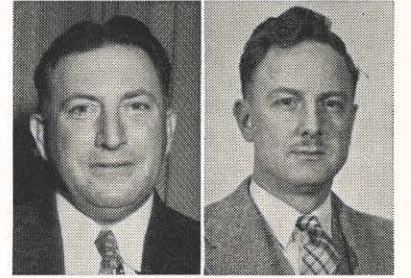
J. H. Grimes, Philip Sporn plant shift operating engineer, wrote "BFP Oil-Cooler Backwashing Method Saves Time, Expense" in which he describes the use of a backwashing method to periodically clean the boiler feed pump oil coolers, thus saving the expense and time of mechanical cleanings.

"Safe Fold Away Loading Ramp" was written by Ralph J. Siner, Roanoke district meter clerk. Loading ramps are built for tractor-trailers so that they can unload meters and heavy equipment. These ramps are too high for service trucks, and an ordinary steel plate between the loading ramp and the truck bed was unsafe as well as undependable. Mr. Siner designed a ramp that is hinged to the loading ramp and can be pulled into the position desired.

Two Kanawha River plant men, C. W. Pannell, maintenance foreman, and W. J. Buchanan, Jr., maintenance supervisor, contributed "Improved Sealing Of Pulverizer Spring-Adjusting Studs." The men stopped coal leakage around pulverizer spring-adjusting studs by machining a groove around the stud flange and using a sealing ring.

"Markers For Hot-Line Sticks" was written by F. E. Wise, Charleston station maintenance man. He advises using scotch-lite and scotch tape to mark the danger point of hot sticks rather than the old method of a rubber guard, which is hard to keep on. The scotch-lite is for night use and another layer of scotch tape, 1/8 inch thick can be felt through gloves. Thus by feel and sight a man is warned against holding the stick within the recommended safe distance from its "hot" end.

"Reducing Maintenance Of Ash Hoppers By Minor Piping Change" was contributed by O. A. Hesson of Cabin Creek plant. The piping change allows a continuous flow of cooling water which prevents sudden quenching of boiler liners and extends their useful life. Previously, they had to be replaced almost every month, which proved costly and took from 48 to 96 manhours.



Mr. Altieri Mr. Armistead



Mr. Grimes Mr. Siner



Mr. Pannell Mr. Buchanan



Mr. Wise Mr. Hesson



Mr. Evans Mr. Jarrell

The final article was written by J. E. Evans, district station foreman, and J. K. Jarrell, stationman, of Huntington. Called "Cleaning Strain Insulators In 2-3 Minutes Per Unit," the article describes a system of hose trickle and steel wool to clean strain insulators of deposits. The machine which does this operation saves time and money.

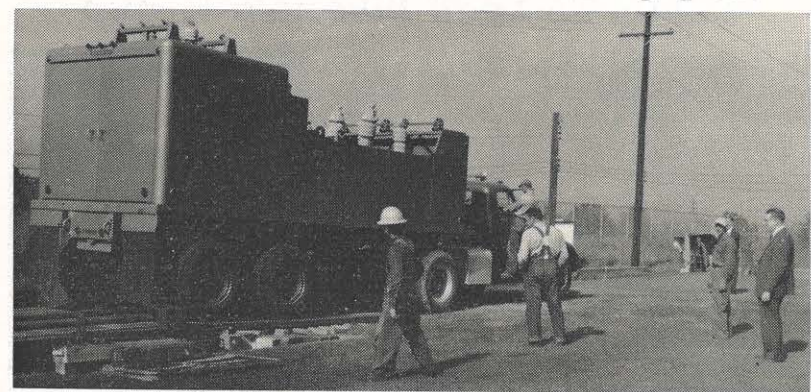
SEC Rejects Plea Against I&M Plant

The Securities and Exchange Commission in Washington, D. C., has upheld the right of Indiana & Michigan to construct a \$58-million power plant in Southern Indiana.

The Commission ruling in effect rejected the plea by the Public Service Company of Indiana for an investigation of the proposed plant in Sullivan County. Public Service in its protest action had contended the new plant, combined with transmission lines to other I&M areas, would be an extension of the AGE System contrary to the 1935 Public Utility Holding Act.

In its opinion, the SEC said, "It observes no basis for concluding that the construction would constitute an expansion of the American Gas integrated utility system beyond limits previously found permissible by the Commission."

Portable Sub Added At Kingsport



This portable substation is the latest addition to Kingsport's equipment. Shown moving the sub from a railway siding to the Holston transmission station are, foreground, from left: Edward Jones, James Spivey, James Murdock and Clarence Bryan. Coy Arnold is on the running board of the tractor and Reese Scarlett is back of Mr. Murdock. The 5,000 kva transformer station can be moved from Holston to lines or stations in a matter of minutes. As an emergency measure, it helps assure dependable service in the Kingsport area. In addition, it will also be used to handle unexpected loads, to replace damaged capacity and to supplement existing capacity. It will be used for temporary service and maintenance work and will prove valuable in Kingsport's conversion from 22 kv to 33 kv.

Welch Man Builds Own Home



James P. Sutphin and his family stand in front of the house he built himself this year. The Welch station man helper at Switchback station started in April and the family moved in during October. He worked evenings, holidays and week-ends to complete the six-room house, doing all the work except the plumbing and heating. He drew up his own plans, installed a full-size basement and worked at night when he got the house under roof. He built the house on a lot he has owned for several years.